

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW022819\
 Data File : VW008881.D
 Acq On : 28 Feb 2019 12:24
 Operator : SY/VA
 Sample : VW0228SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0228SBS01

Manual Integrations
 APPROVED

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 3/1/2019 2:57:00 PM

Quant Time: Mar 01 06:24:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W022119S.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 22 00:38:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	300240	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	422881	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	413203	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	232150	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	141177	50.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.26%	
35) Dibromofluoromethane	7.88	113	131365	51.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.48%	
50) Toluene-d8	10.32	98	511360	52.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.34%	
62) 4-Bromofluorobenzene	12.62	95	199924	52.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.20%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	57644	19.169	ug/l	95
3) Chloromethane	2.21	50	70303	19.206	ug/l	98
4) Vinyl Chloride	2.36	62	73284	18.909	ug/l	99
5) Bromomethane	2.75	94	54537	18.945	ug/l	95
6) Chloroethane	2.90	64	52635	19.125	ug/l	95
7) Trichlorofluoromethane	3.25	101	100620	20.528	ug/l	97
8) Diethyl Ether	3.68	74	30759	19.821	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	4.06	101	61313	20.598	ug/l	100
10) Methyl Iodide	4.27	142	65084	17.485	ug/l	98
11) Tert butyl alcohol	5.16	59	25537	101.864	ug/l	96
12) 1,1-Dichloroethene	4.03	96	53604	20.391	ug/l	99
13) Acrolein	3.89	56	21309	93.988	ug/l	99
14) Allyl chloride	4.67	41	91780	20.229	ug/l	97
15) Acrylonitrile	5.37	53	67238	100.958	ug/l	99
16) Acetone	4.12	43	64793	99.266	ug/l	97
17) Carbon Disulfide	4.37	76	161357	18.500	ug/l	96
18) Methyl Acetate	4.68	43	29467	19.033	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	145013	20.380	ug/l	99
20) Methylene Chloride	4.92	84	81708	22.613	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	62480	20.547	ug/l	93
22) Diisopropyl ether	6.31	45	189120	20.896	ug/l	94
23) Vinyl Acetate	6.26	43	574019	102.650	ug/l	99
24) 1,1-Dichloroethane	6.22	63	109690	20.915	ug/l	99
25) 2-Butanone	7.17	43	91580	100.356	ug/l	93
26) 2,2-Dichloropropane	7.17	77	99577	20.913	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	67410	20.724	ug/l	98
28) Bromochloromethane	7.51	49	45917	20.922	ug/l	100
29) Tetrahydrofuran	7.53	42	57811	99.410	ug/l	99
30) Chloroform	7.68	83	110583	20.553	ug/l	98
31) Cyclohexane	7.95	56	109257	20.580	ug/l	94
32) 1,1,1-Trichloroethane	7.87	97	101111	20.665	ug/l	98
36) 1,1-Dichloropropene	8.08	75	88702	21.548	ug/l	99
37) Ethyl Acetate	7.26	43	39053	20.401	ug/l	97
38) Carbon Tetrachloride	8.07	117	92134	21.223	ug/l	98

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	106453	20.733	ug/l	99
40) Benzene	8.32	78	238302	21.203	ug/l	97
41) Methacrylonitrile	7.49	41	22136	19.673	ug/l	96
42) 1,2-Dichloroethane	8.40	62	76470	21.478	ug/l	99
43) Isopropyl Acetate	8.42	43	80090	20.963	ug/l	98
44) Trichloroethene	9.09	130	68994	21.791	ug/l	100
45) 1,2-Dichloropropane	9.37	63	60390	21.743	ug/l	96
46) Dibromomethane	9.46	93	32005	20.717	ug/l	99
47) Bromodichloromethane	9.64	83	80555	21.431	ug/l	98
48) Methyl methacrylate	9.43	41	34680	18.953	ug/l	96
49) 1,4-Dioxane	9.45	88	9843	397.859	ug/l	97
51) 4-Methyl-2-Pentanone	10.21	43	197205	101.670	ug/l	99
52) Toluene	10.38	92	163823	21.477	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	78797	20.568	ug/l	95
54) cis-1,3-Dichloropropene	10.07	75	94819	21.700	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	46805	22.340	ug/l	97
56) Ethyl methacrylate	10.65	69	56658	20.815	ug/l	97
57) 1,3-Dichloropropane	10.93	76	78070	21.105	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	147357	107.637	ug/l	99
59) 2-Hexanone	10.97	43	141285	102.326	ug/l	98
60) Dibromochloromethane	11.13	129	53263	20.843	ug/l	99
61) 1,2-Dibromoethane	11.23	107	43067	20.767	ug/l	98
64) Tetrachloroethene	10.86	164	60444	20.436	ug/l	97
65) Chlorobenzene	11.66	112	179058	20.609	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	61244	20.847	ug/l	98
67) Ethyl Benzene	11.73	91	321679	20.711	ug/l	100
68) m/p-Xylenes	11.84	106	257793	41.540	ug/l	100
69) o-Xylene	12.16	106	121662	20.887	ug/l	98
70) Styrene	12.18	104	192466	20.538	ug/l	99
71) Bromoform	12.35	173	30605	19.381	ug/l	97
73) Isopropylbenzene	12.46	105	331902	20.855	ug/l	99
74) N-amyl acetate	12.27	43	77731	19.390	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	50657	19.480	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	37397m	19.511	ug/l	
77) Bromobenzene	12.75	156	78889	20.976	ug/l	96
78) n-propylbenzene	12.80	91	404780	20.793	ug/l	99
79) 2-Chlorotoluene	12.90	91	226691	20.510	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	287881	20.815	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	14599	18.517	ug/l	98
82) 4-Chlorotoluene	12.99	91	240779	20.672	ug/l	99
83) tert-Butylbenzene	13.21	119	244674	20.460	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	294458	20.568	ug/l	99
85) sec-Butylbenzene	13.38	105	358279	20.836	ug/l	99
86) p-Isopropyltoluene	13.50	119	316915	20.104	ug/l	98
87) 1,3-Dichlorobenzene	13.50	146	163393	20.940	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	160060	20.813	ug/l	98
89) n-Butylbenzene	13.83	91	306346	20.744	ug/l	99
90) Hexachloroethane	14.10	117	53211	20.620	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	146995	21.143	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.49	75	9455	20.100	ug/l	95

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ClientSampleId :
VW0228SBSD01

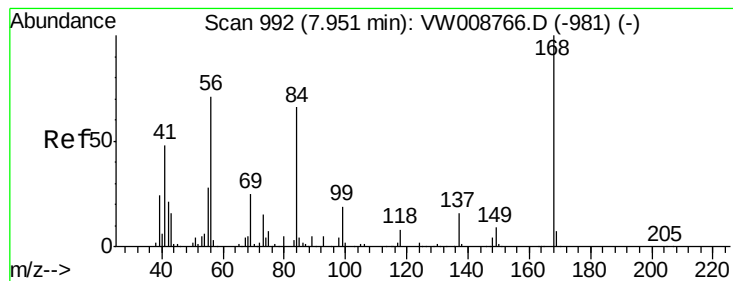
Manual Integrations
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	104263	20.813	ug/l	97
94) Hexachlorobutadiene	15.24	225	64946	22.010	ug/l	99
95) Naphthalene	15.37	128	168442	19.749	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	93971	21.696	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW008881.D

Acq: 28 Feb 2019 12:24

Instrument :

MSVOA_W

ClientSampleId :

VW0228SBS01

Tot Ion:168 Resp: 300240

Ion Ratio Lower Upper

168 100

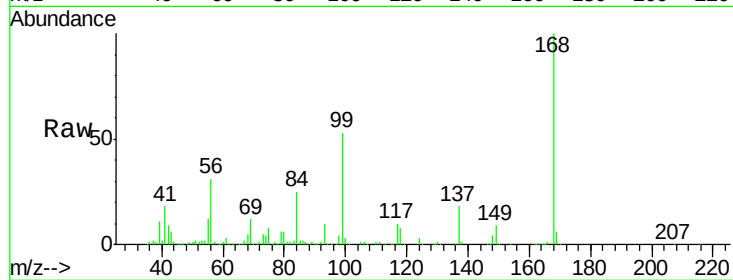
99 53.2 42.2 63.2

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

150000

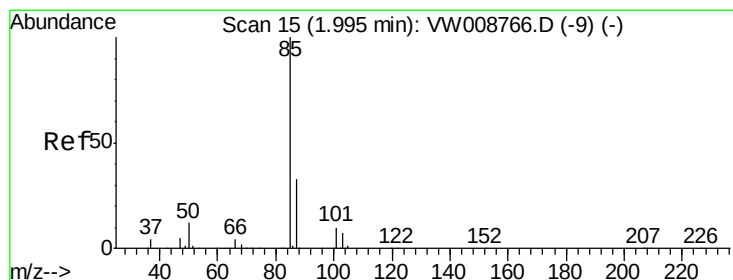
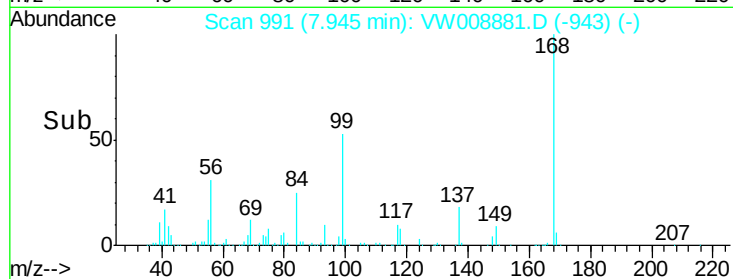
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50000

0

7.90 8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 19.169 ug/l

RT: 2.00 min Scan# 15

Delta R.T. 0.00 min

Lab File: VW008881.D

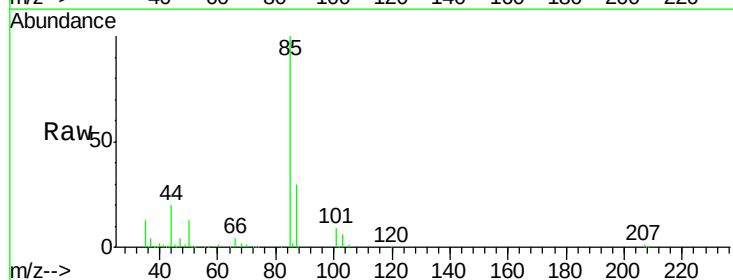
Acq: 28 Feb 2019 12:24

Tgt Ion: 85 Resp: 57644

Ion Ratio Lower Upper

85 100

87 30.1 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

40000

30000

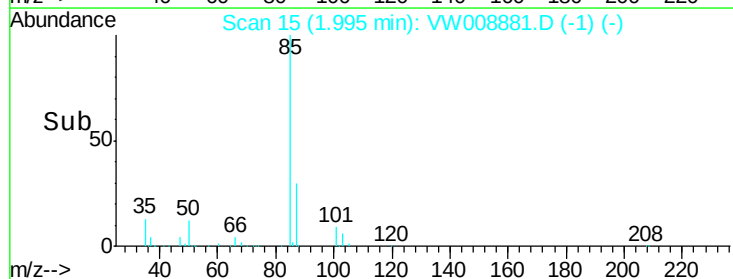
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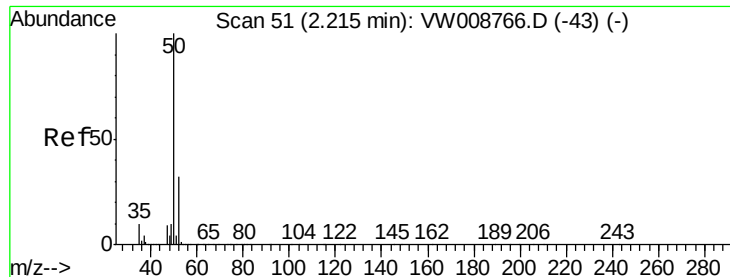
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0

1.90 1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 19.206 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW008881.D

Acq: 28 Feb 2019 12:24

Tot Ion: 50 Resp: 70303

Ion Ratio Lower Upper

50 100

52 33.6 25.9 38.9

Instrument :

MSVOA_W

ClientSampleId :

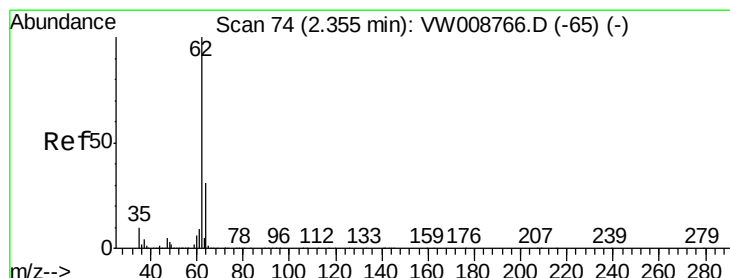
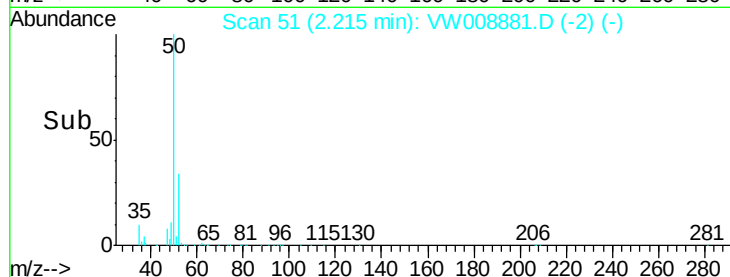
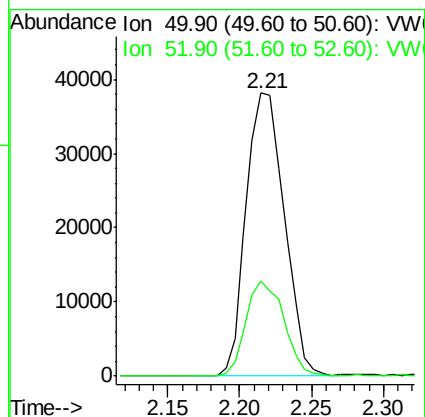
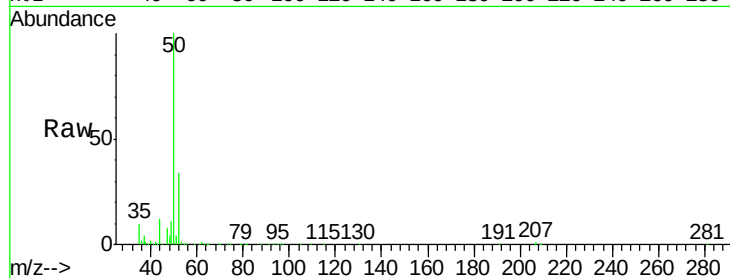
VW0228SBS01

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#4

Vinyl Chloride

Concen: 18.909 ug/l

RT: 2.36 min Scan# 74

Delta R.T. 0.00 min

Lab File: VW008881.D

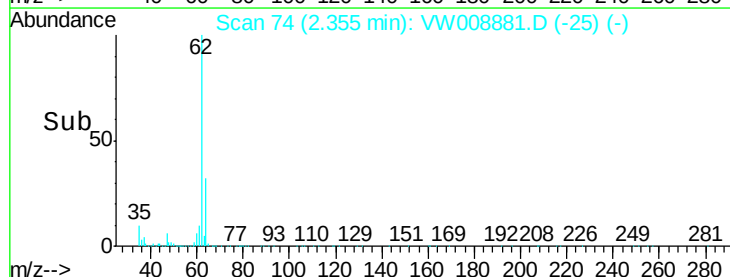
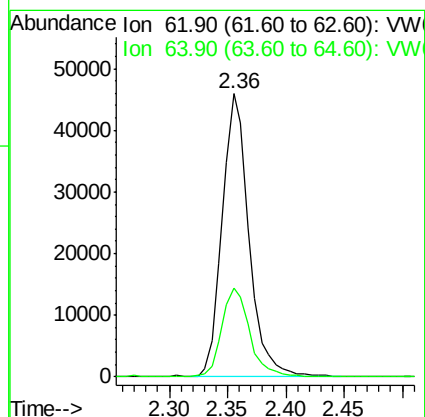
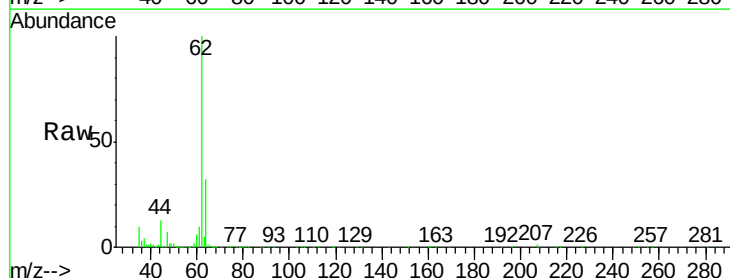
Acq: 28 Feb 2019 12:24

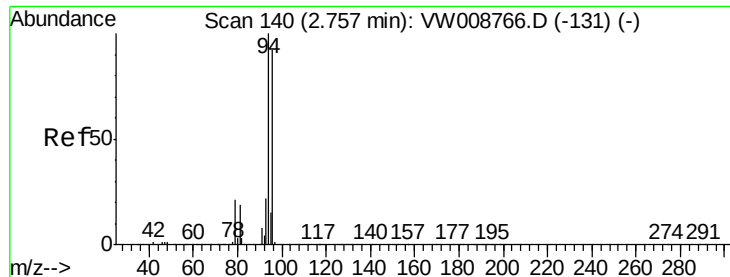
Tgt Ion: 62 Resp: 73284

Ion Ratio Lower Upper

62 100

64 31.6 24.9 37.3





#5

Bromomethane

Concen: 18.945 ug/l

RT: 2.75 min Scan# 138

Delta R.T. -0.01 min

Lab File: VW008881.D

Acq: 28 Feb 2019 12:24

Instrument :

MSVOA_W

ClientSampleId :

VW0228SBS01

Tot Ion: 94 Resp: 54537

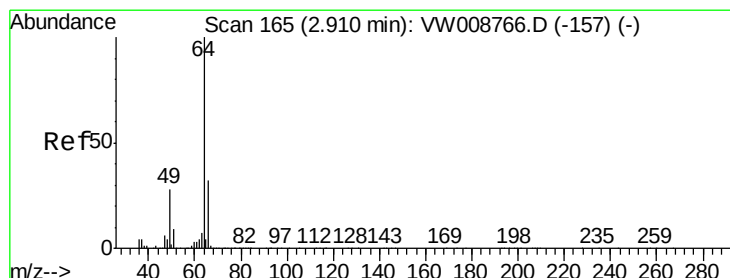
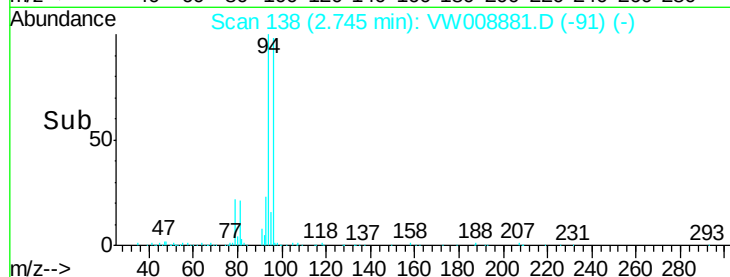
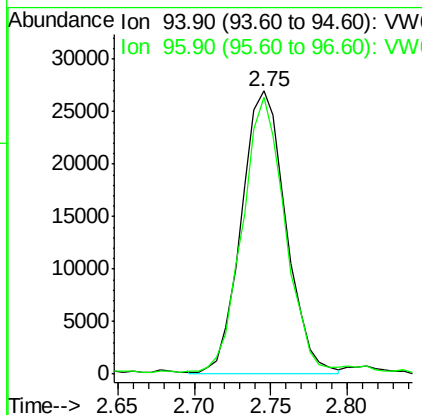
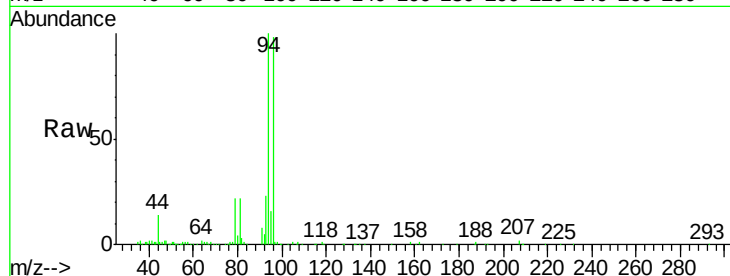
Ion Ratio Lower Upper

94 100

96 97.0 73.4 110.2

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#6

Chloroethane

Concen: 19.125 ug/l

RT: 2.90 min Scan# 164

Delta R.T. -0.01 min

Lab File: VW008881.D

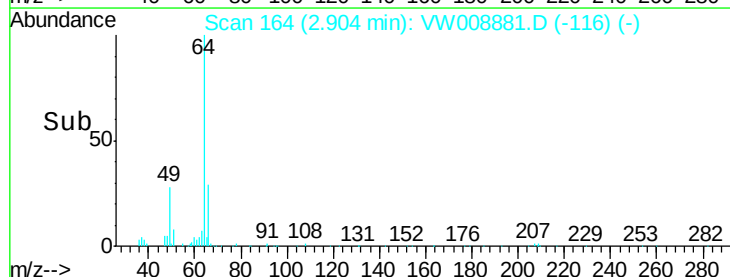
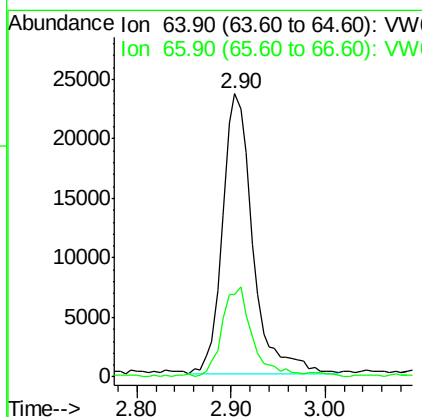
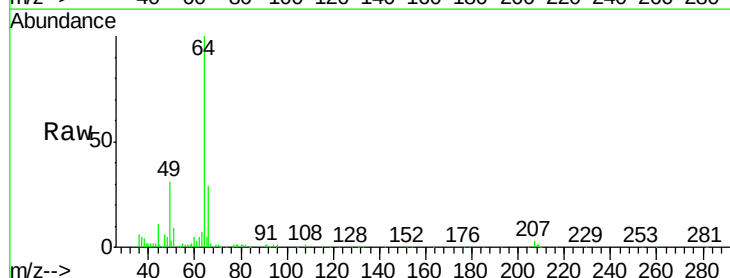
Acq: 28 Feb 2019 12:24

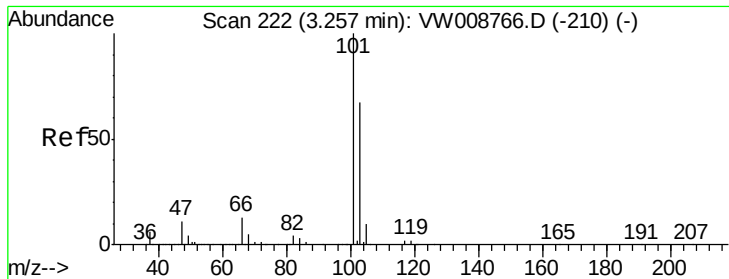
Tgt Ion: 64 Resp: 52635

Ion Ratio Lower Upper

64 100

66 29.1 25.5 38.3





#7

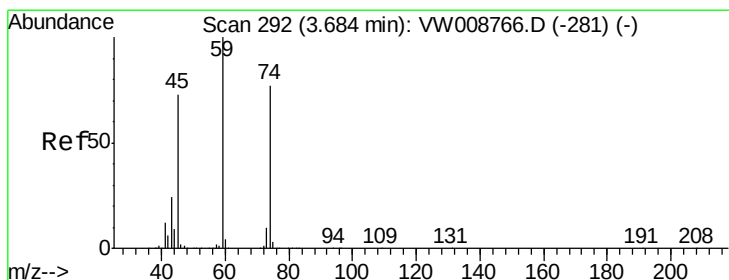
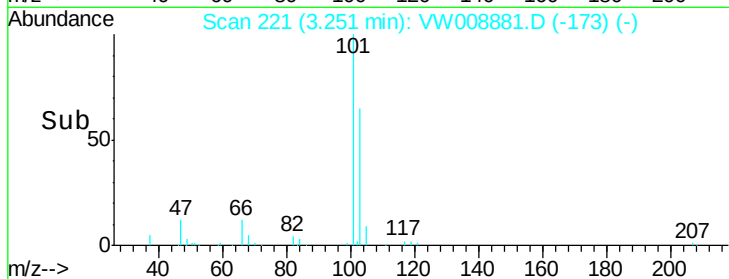
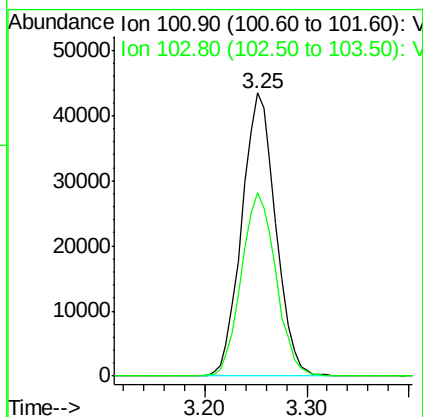
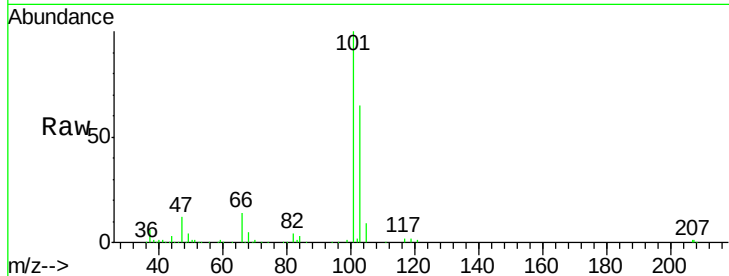
Trichlorofluoromethane
 Concen: 20.528 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.01 min
 Lab File: VW008881.D
 Acq: 28 Feb 2019 12:24

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 ClientSampleId :
 VW0228SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.0	53.9	80.9

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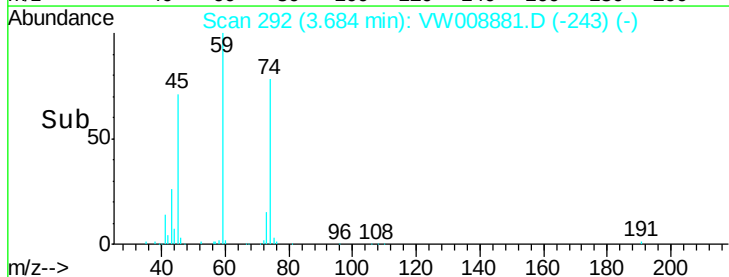
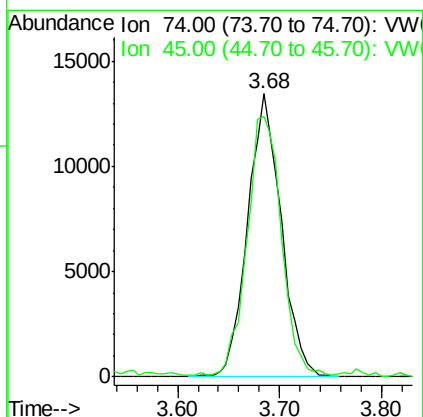
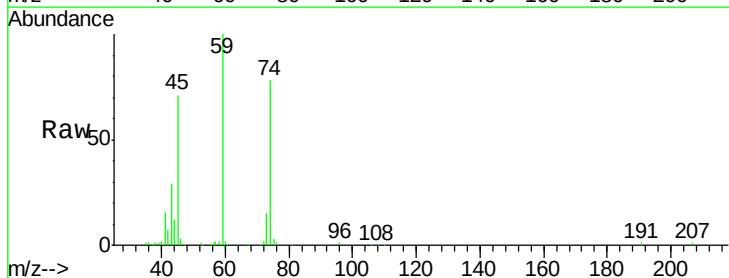
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 3/1/2019 2:57:00 PM

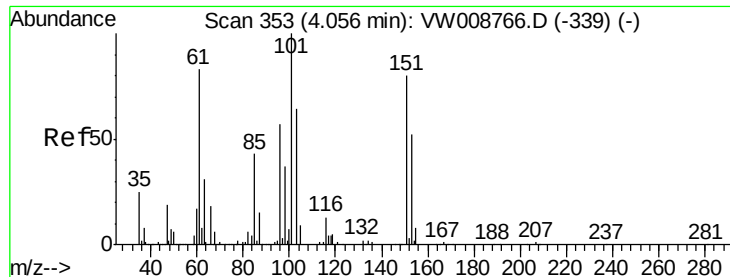


#8

Diethyl Ether
 Concen: 19.821 ug/l
 RT: 3.68 min Scan# 292
 Delta R.T. 0.00 min
 Lab File: VW008881.D
 Acq: 28 Feb 2019 12:24

Tgt Ion	Ratio	Lower	Upper
74	100		
45	94.3	50.2	150.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.598 ug/l

RT: 4.06 min Scan# 353

Delta R.T. 0.00 min

Lab File: VW008881.D

Acq: 28 Feb 2019 12:24

Instrument :

MSVOA_W

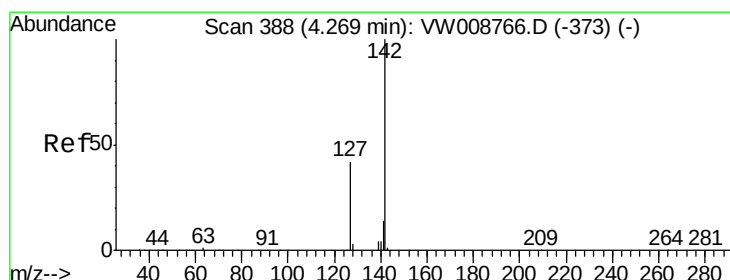
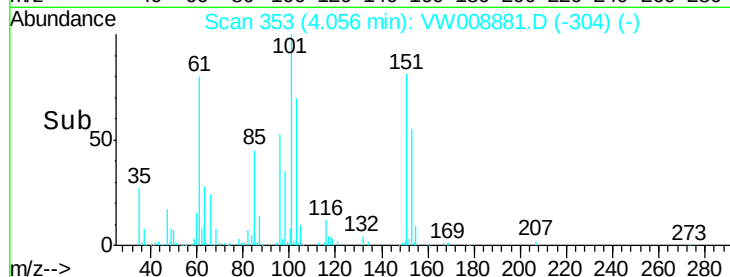
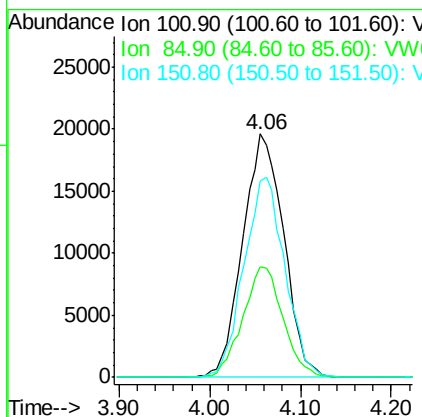
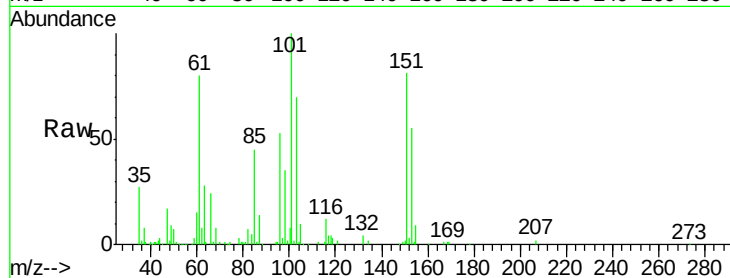
ClientSampleId :

VW0228SBS01

Tot Ion:	101	Resp:	61313
Ion Ratio	Lower	Upper	
101	100		
85	44.7	36.0	54.0
151	82.0	65.5	98.3

Manual Integrations
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#10

Methyl Iodide

Concen: 17.485 ug/l

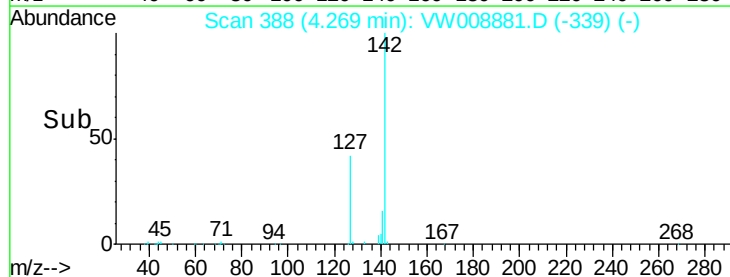
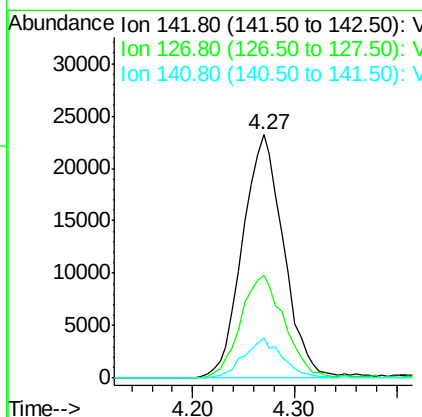
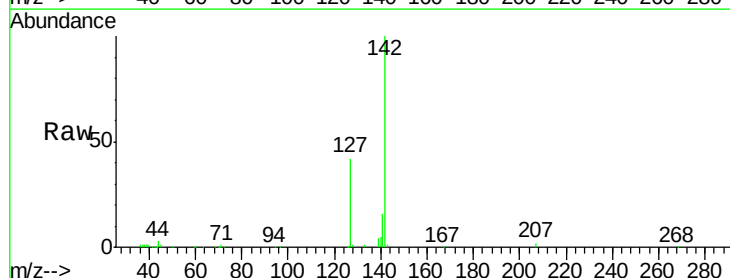
RT: 4.27 min Scan# 388

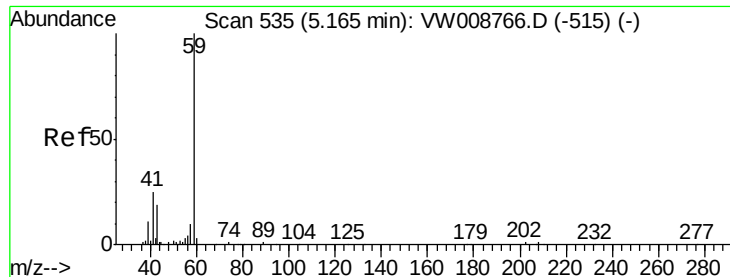
Delta R.T. 0.00 min

Lab File: VW008881.D

Acq: 28 Feb 2019 12:24

Tgt Ion:	142	Resp:	65084
Ion Ratio	Lower	Upper	
142	100		
127	45.0	35.3	52.9
141	15.6	11.7	17.5





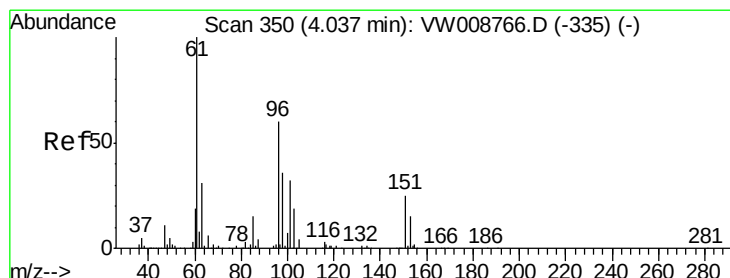
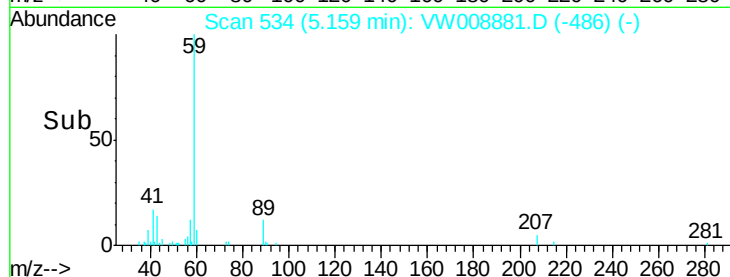
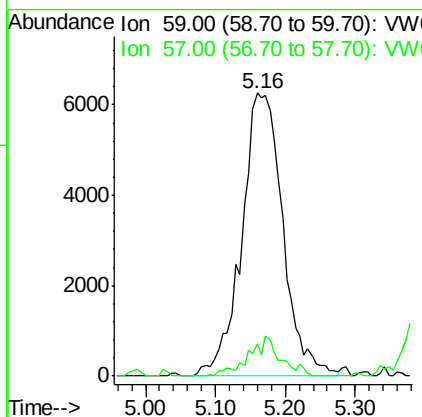
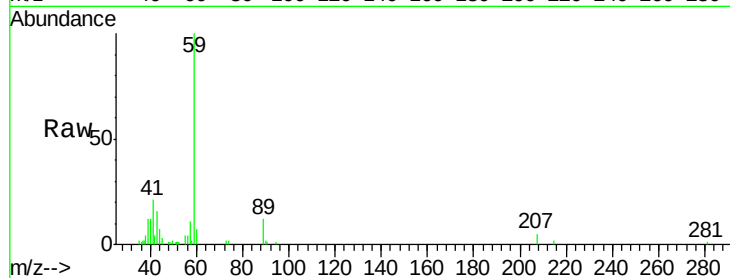
#11
Tert butyl alcohol
Concen: 101.864 ug/l
RT: 5.16 min Scan# 534
Delta R.T. -0.01 min
Lab File: VW008881.D
Acq: 28 Feb 2019 12:24

Instrument :
MSVOA_W
ClientSampleId :
VW0228SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.2	9.3	13.9

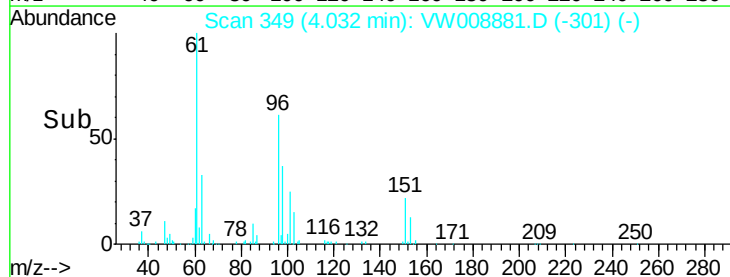
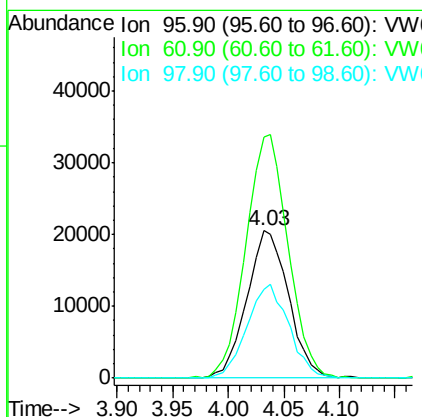
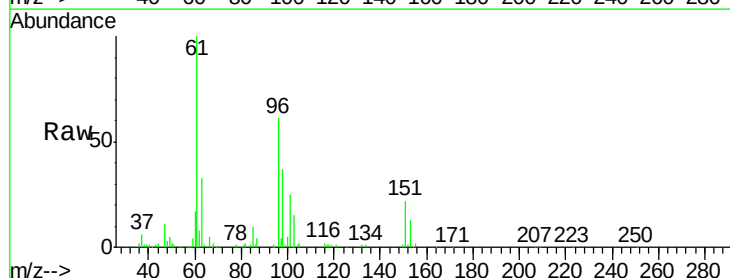
Manual Integrations
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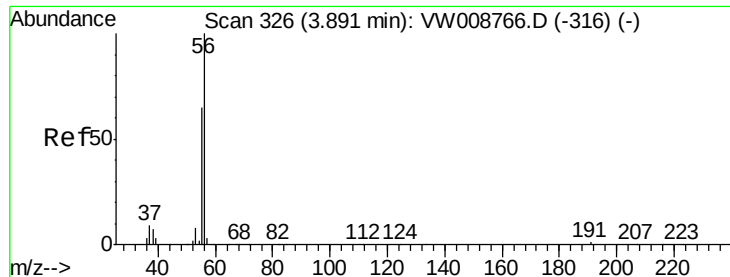
MMDadoda
3/1/2019 2:57:00 PM



#12
1,1-Dichloroethene
Concen: 20.391 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.01 min
Lab File: VW008881.D
Acq: 28 Feb 2019 12:24

Tgt Ion	Ratio	Lower	Upper
96	100		
61	163.3	132.5	198.7
98	60.2	48.2	72.4





#13

Acrolein

Concen: 93.988 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.00 min

Lab File: VW008881.D

Acq: 28 Feb 2019 12:24

Instrument :

MSVOA_W

ClientSampleId :

VW0228SBSD01

Tot Ion: 56 Resp: 21309

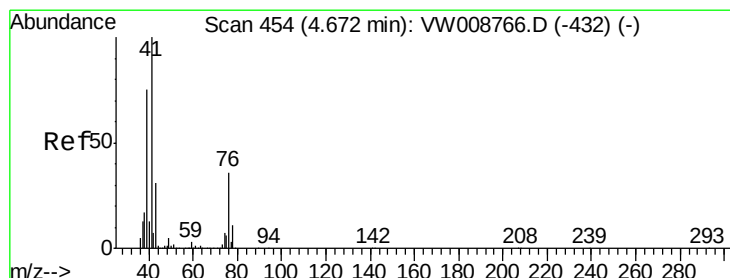
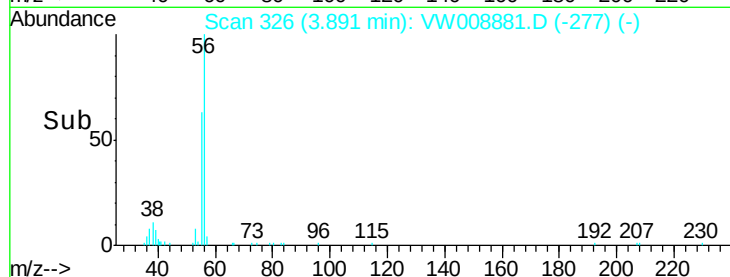
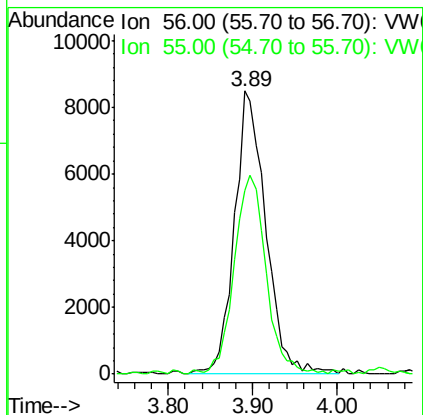
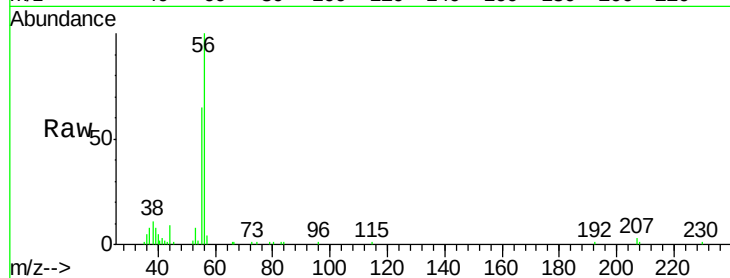
Ion Ratio Lower Upper

56 100

55 71.9 56.9 85.3

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#14

Allyl chloride

Concen: 20.229 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.00 min

Lab File: VW008881.D

Acq: 28 Feb 2019 12:24

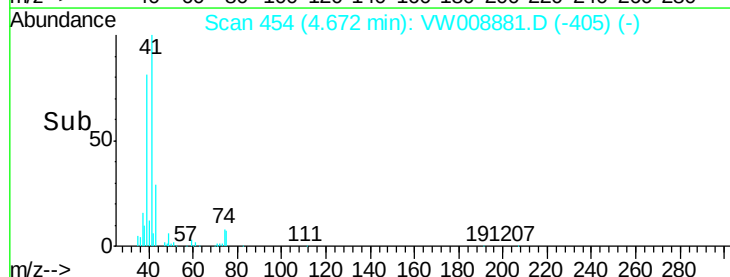
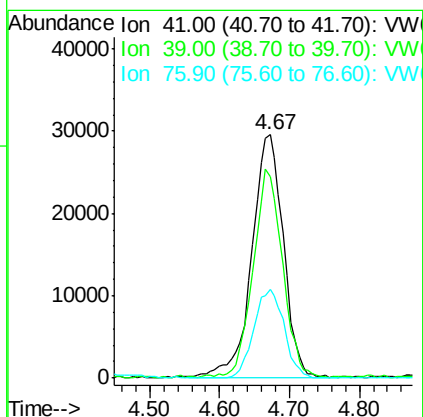
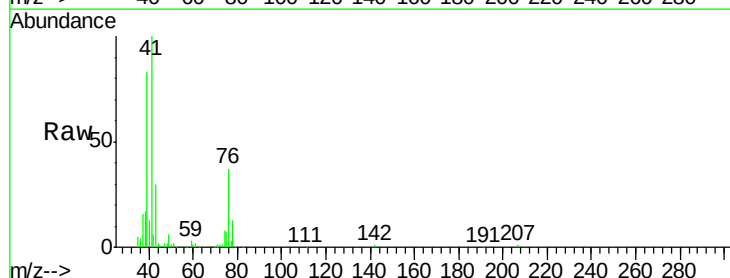
Tgt Ion: 41 Resp: 91780

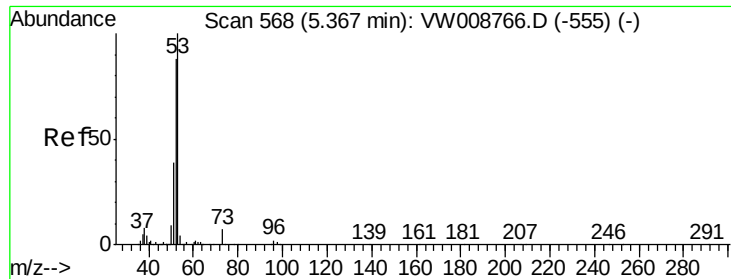
Ion Ratio Lower Upper

41 100

39 79.9 60.6 91.0

76 35.4 28.6 42.8





#15

Acrylonitrile

Concen: 100.958 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.00 min

Lab File: VW008881.D

Acq: 28 Feb 2019 12:24

Instrument :

MSVOA_W

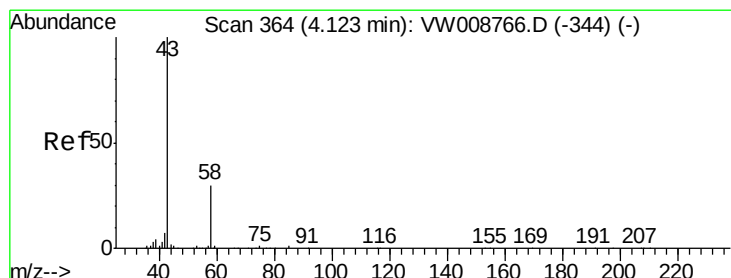
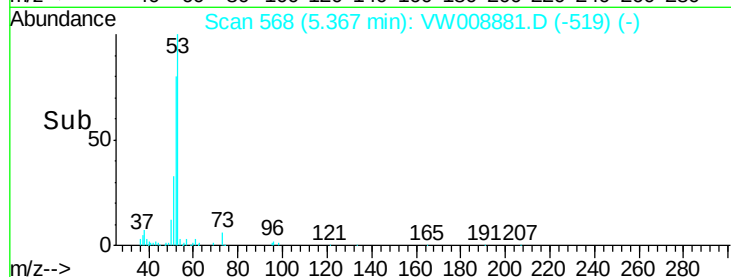
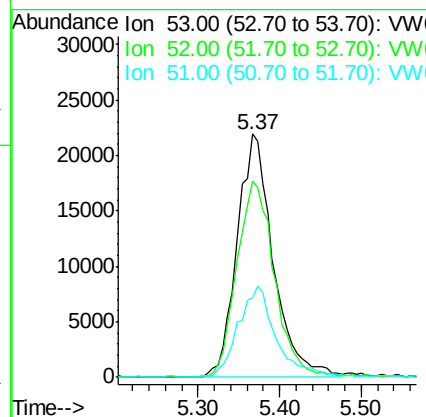
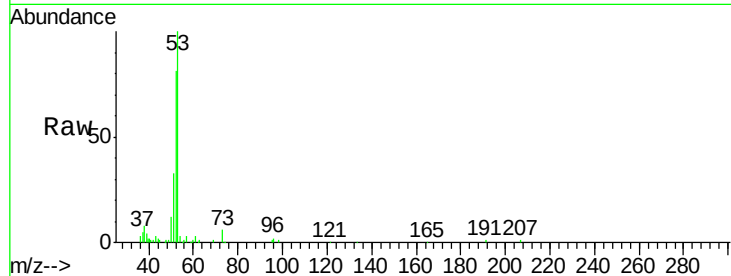
ClientSampleId :

VW0228SBS01

Tot Ion:	53	Resp:	67238
Ion	Ratio	Lower	Upper
53	100		
52	84.4	67.2	100.8
51	39.8	31.1	46.7

Manual Integrations
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3/1/2019 2:57:00 PM



#16

Acetone

Concen: 99.266 ug/l

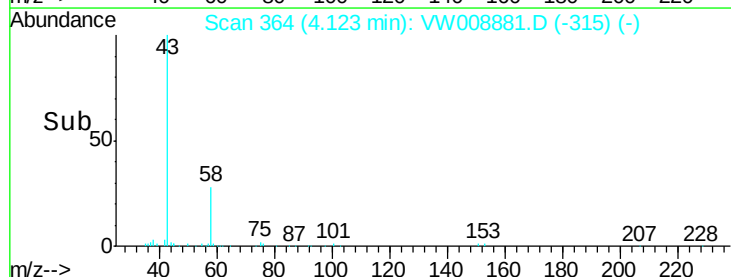
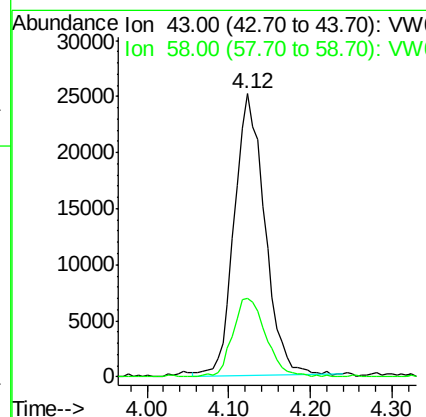
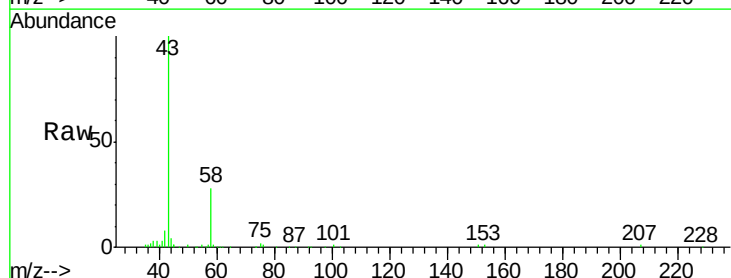
RT: 4.12 min Scan# 364

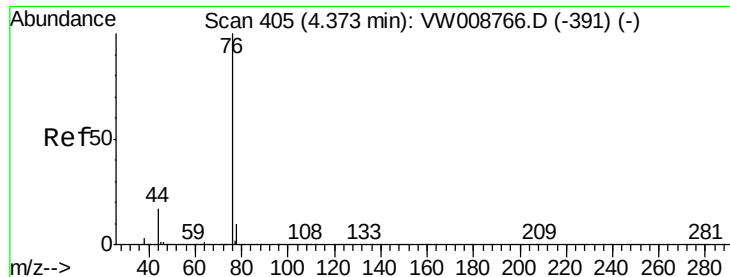
Delta R.T. 0.00 min

Lab File: VW008881.D

Acq: 28 Feb 2019 12:24

Tgt Ion:	43	Resp:	64793
Ion	Ratio	Lower	Upper
43	100		
58	27.9	23.8	35.6





#17

Carbon Disulfide

Concen: 18.500 ug/l

RT: 4.37 min Scan# 405

Delta R.T. 0.00 min

Lab File: VW008881.D

Acq: 28 Feb 2019 12:24

Instrument :

MSVOA_W

ClientSampleId :

VW0228SBSD01

Tot Ion: 76 Resp: 161357

Ion Ratio Lower Upper

76 100

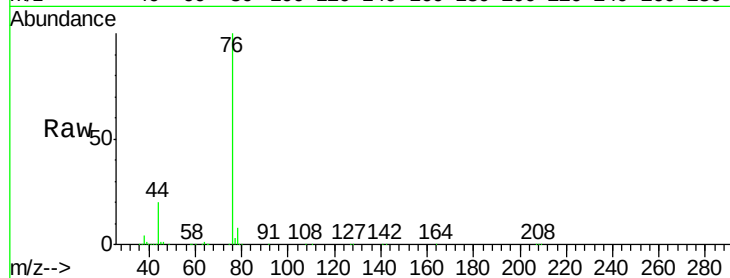
78 8.4 7.8 11.8

Manual Integrations

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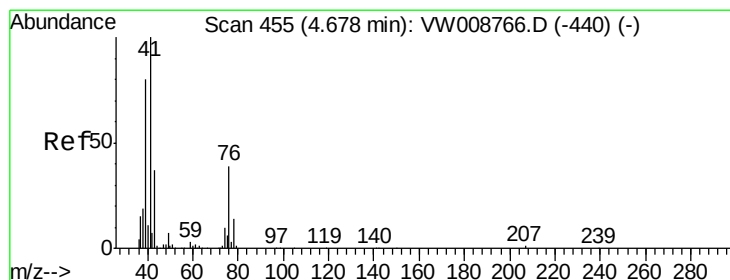
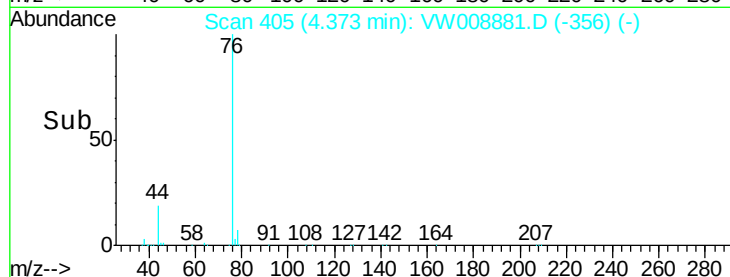
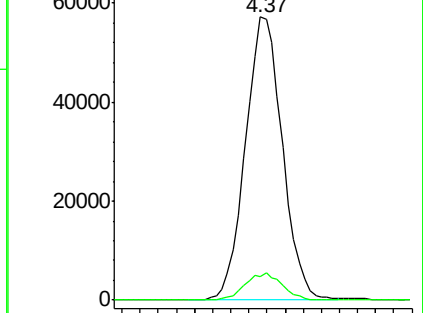
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Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 19.033 ug/l

RT: 4.68 min Scan# 455

Delta R.T. 0.00 min

Lab File: VW008881.D

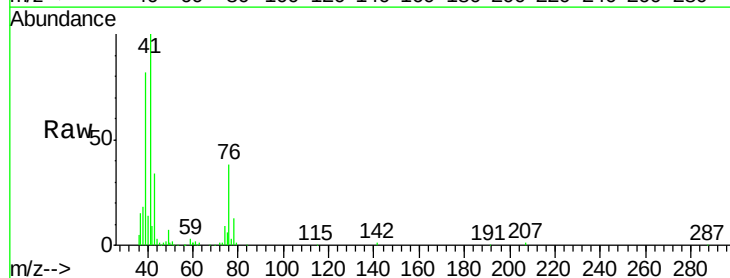
Acq: 28 Feb 2019 12:24

Tgt Ion: 43 Resp: 29467

Ion Ratio Lower Upper

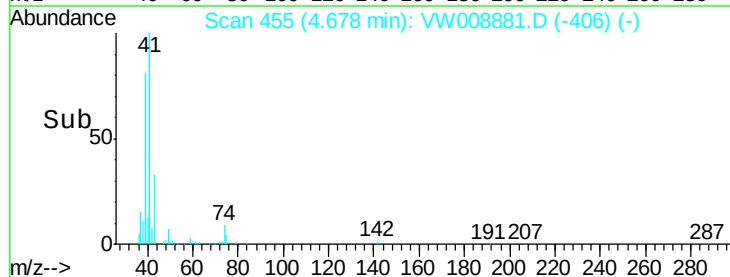
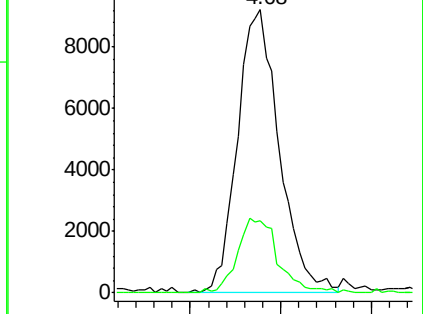
43 100

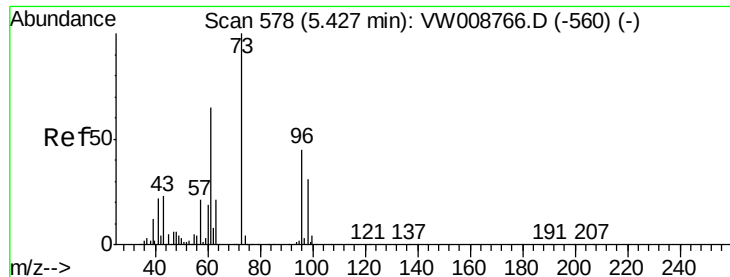
74 25.3 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW





#19

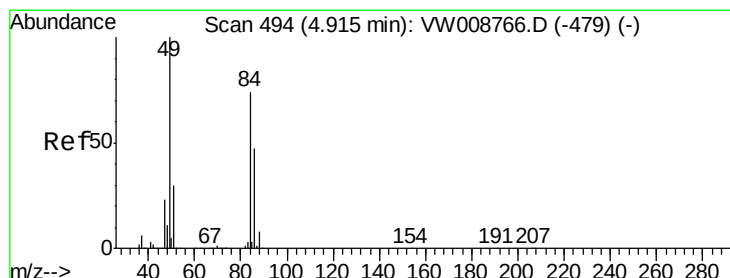
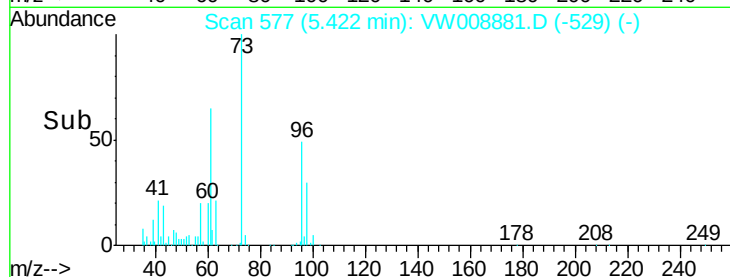
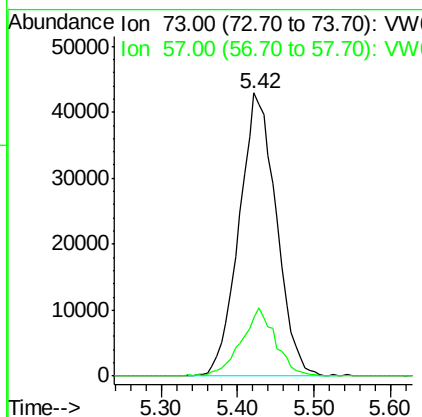
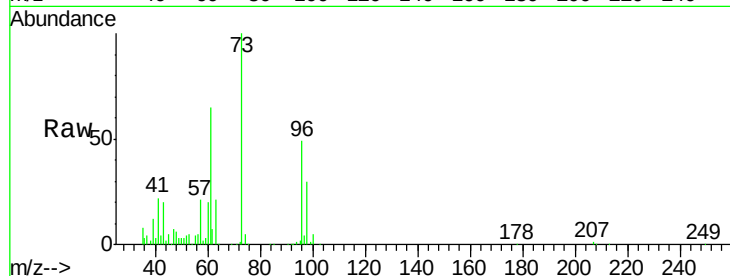
Methyl tert-butyl Ether
 Concen: 20.380 ug/l
 RT: 5.42 min Scan# 577
 Delta R.T. -0.01 min
 Lab File: VW008881.D
 Acq: 28 Feb 2019 12:24

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0228SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.5	16.8	25.2

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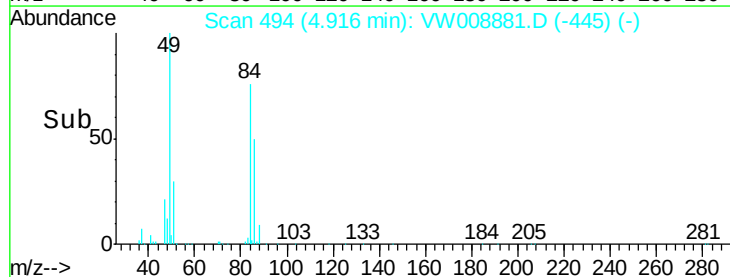
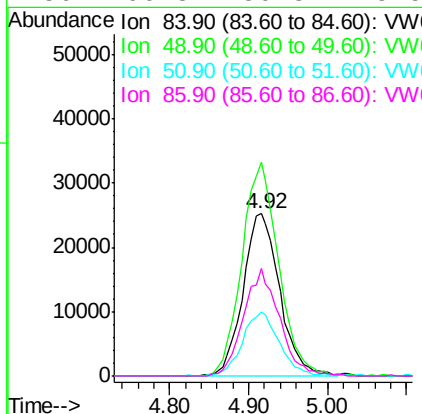
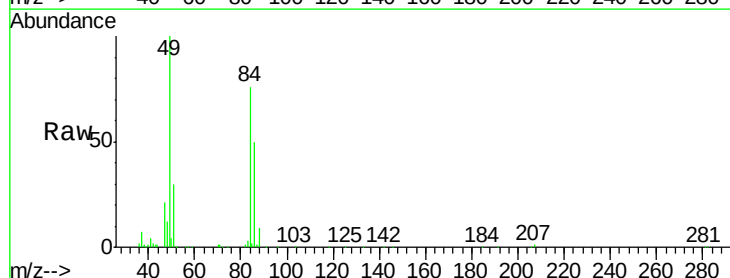
MMDadoda
 3/1/2019 2:57:00 PM

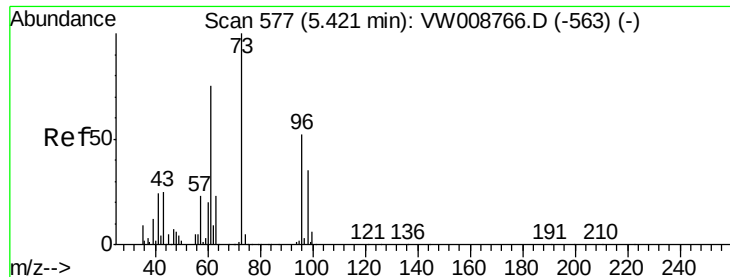


#20

Methylene Chloride
 Concen: 22.613 ug/l
 RT: 4.92 min Scan# 494
 Delta R.T. 0.00 min
 Lab File: VW008881.D
 Acq: 28 Feb 2019 12:24

Tgt Ion	Ratio	Lower	Upper
84	100		
49	131.5	108.2	162.2
51	38.7	32.7	49.1
86	66.3	50.3	75.5





#21

trans-1,2-Dichloroethene

Concen: 20.547 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW008881.D

Acq: 28 Feb 2019 12:24

Instrument :

MSVOA_W

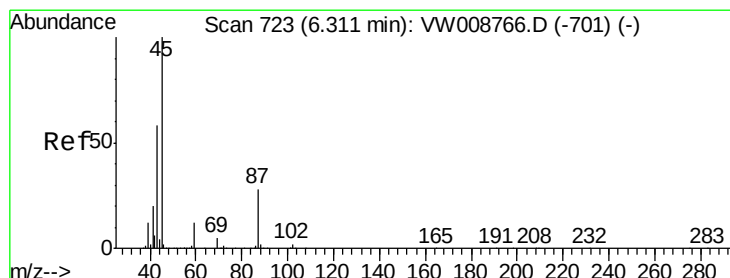
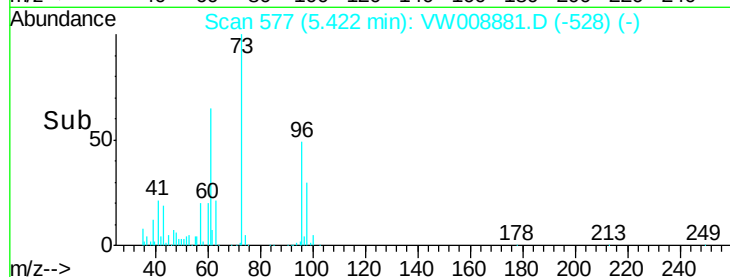
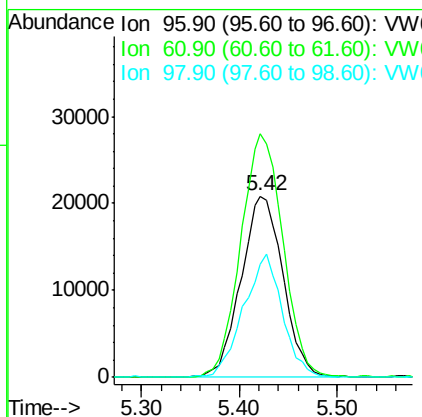
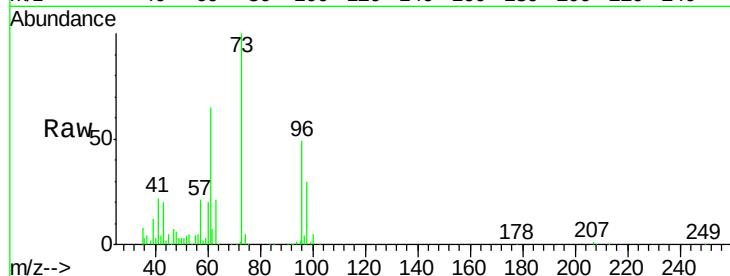
ClientSampleId :

VW0228SBSD01

Tot Ion:	96	Resp:	62480
Ion	Ratio	Lower	Upper
96	100		
61	134.1	114.6	171.8
98	62.2	54.0	81.0

Manual Integrations
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3/1/2019 2:57:00 PM



#22

Diisopropyl ether

Concen: 20.896 ug/l

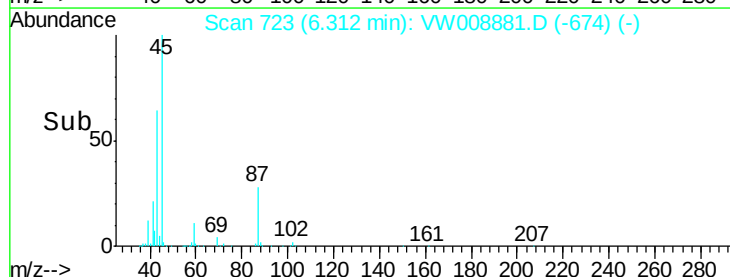
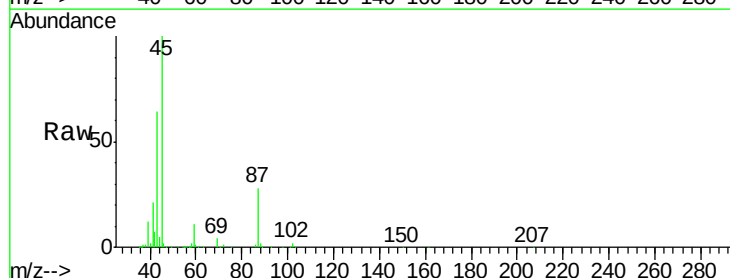
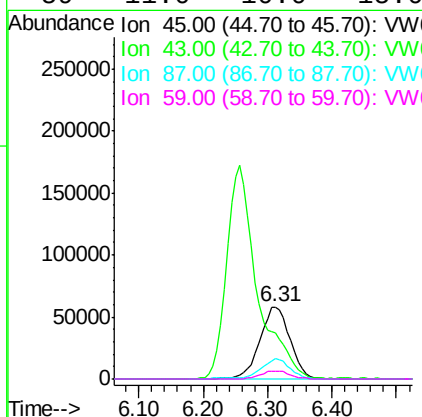
RT: 6.31 min Scan# 723

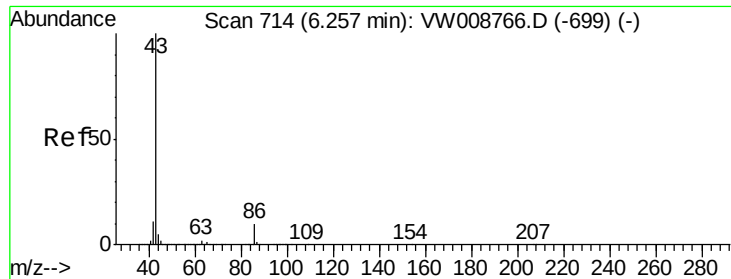
Delta R.T. 0.00 min

Lab File: VW008881.D

Acq: 28 Feb 2019 12:24

Tgt Ion:	45	Resp:	189120
Ion	Ratio	Lower	Upper
45	100		
43	64.4	46.1	69.1
87	27.8	22.2	33.4
59	11.0	10.0	15.0





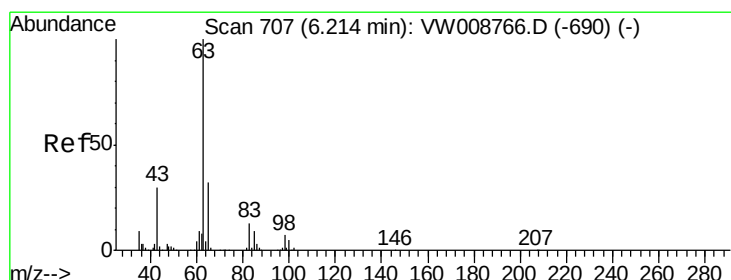
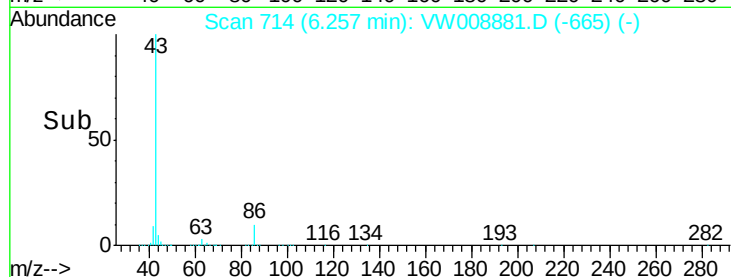
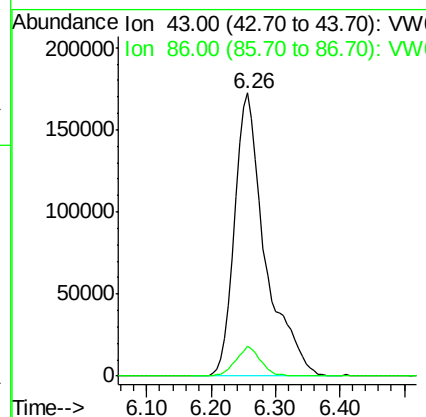
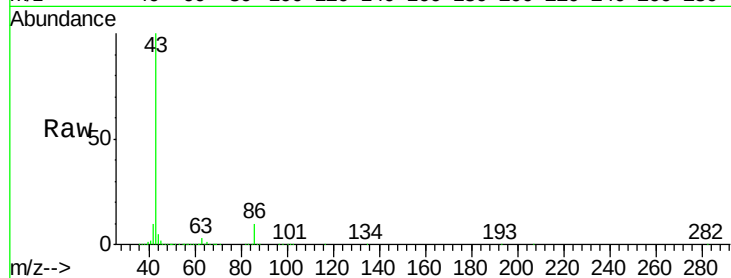
#23
 Vinyl Acetate
 Concen: 102.650 ug/l
 RT: 6.26 min Scan# 714
 Delta R.T. 0.00 min
 Lab File: VW008881.D
 Acq: 28 Feb 2019 12:24

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0228SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
86	10.4	8.1	12.1

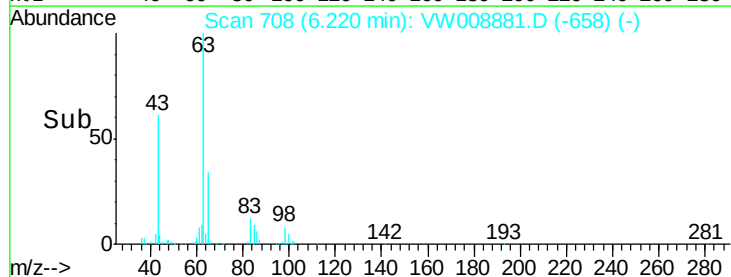
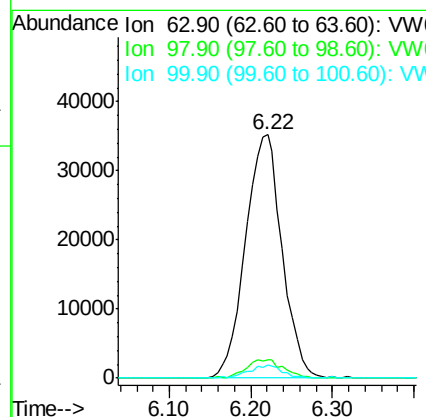
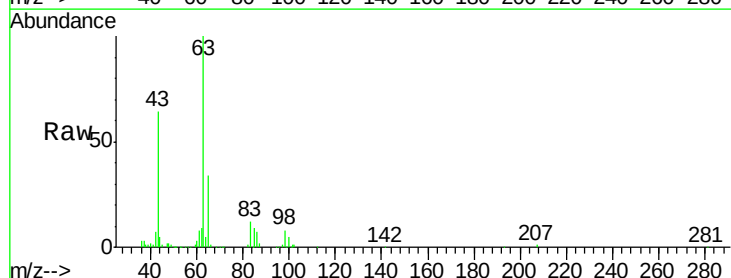
Manual Integrations
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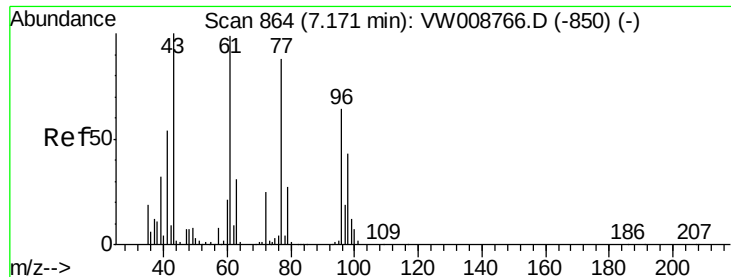
MMDadoda
 3/1/2019 2:57:00 PM



#24
 1,1-Dichloroethane
 Concen: 20.915 ug/l
 RT: 6.22 min Scan# 708
 Delta R.T. 0.01 min
 Lab File: VW008881.D
 Acq: 28 Feb 2019 12:24

Tgt Ion	Ratio	Lower	Upper
63	100		
98	7.6	3.5	10.6
100	5.3	2.4	7.2





#25

2-Butanone

Concen: 100.356 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW008881.D

Acq: 28 Feb 2019 12:24

Instrument :

MSVOA_W

ClientSampleId :

VW0228SBS01

Tot Ion: 43 Resp: 91580

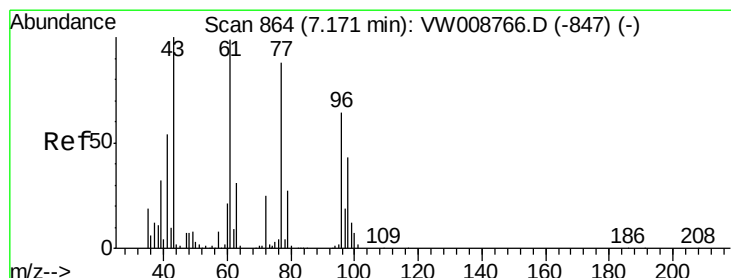
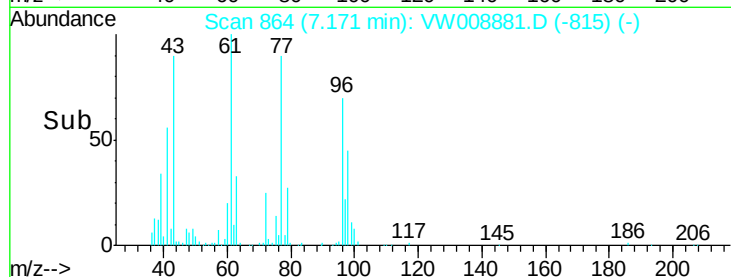
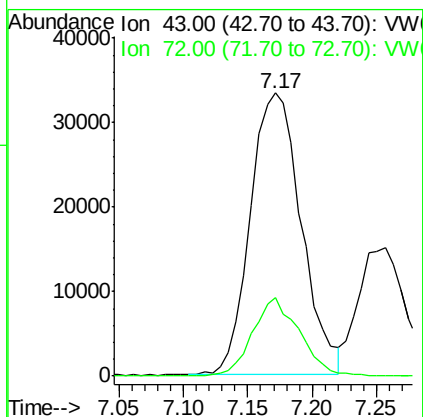
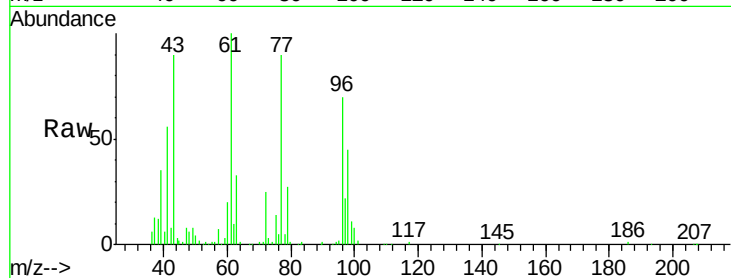
Ion Ratio Lower Upper

43 100

72 27.9 19.7 29.5

Manual Integrations
APPROVED

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3/1/2019 2:57:00 PM



#26

2,2-Dichloropropane

Concen: 20.913 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW008881.D

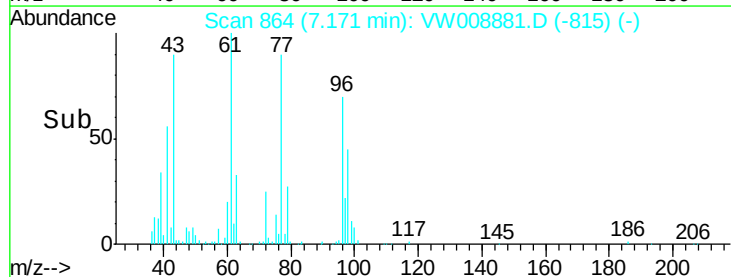
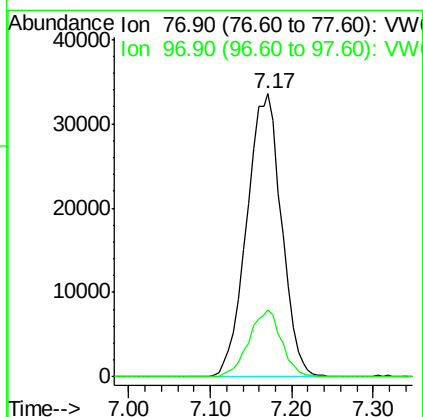
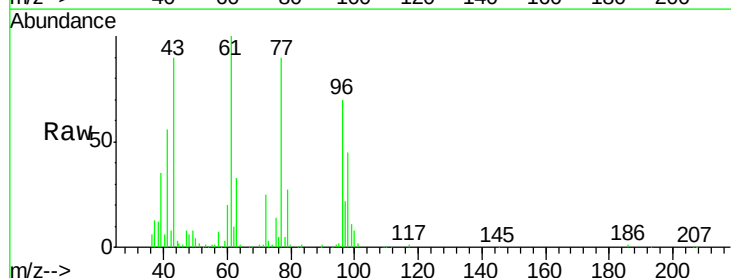
Acq: 28 Feb 2019 12:24

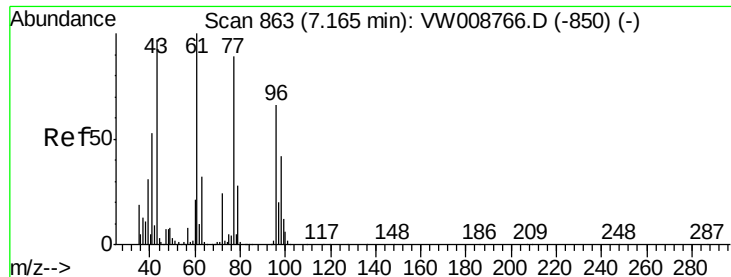
Tgt Ion: 77 Resp: 99577

Ion Ratio Lower Upper

77 100

97 22.3 11.0 33.0





#27

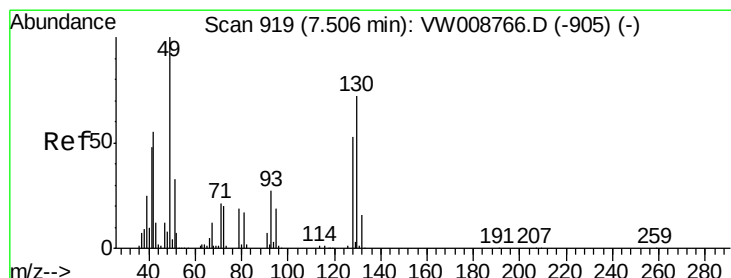
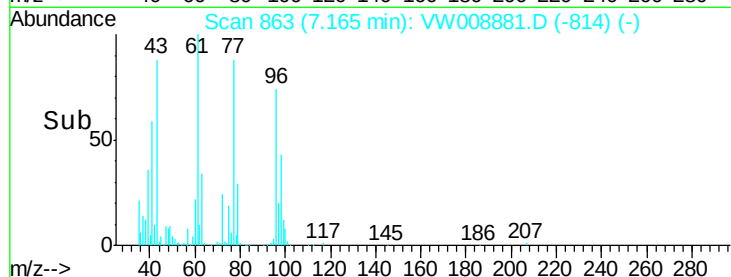
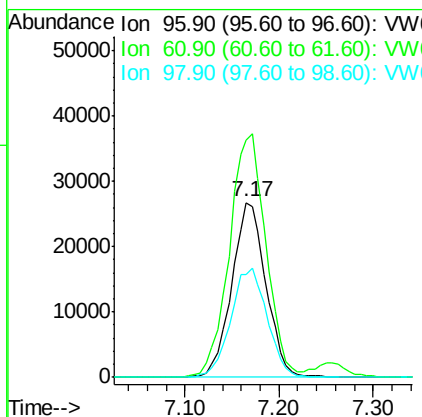
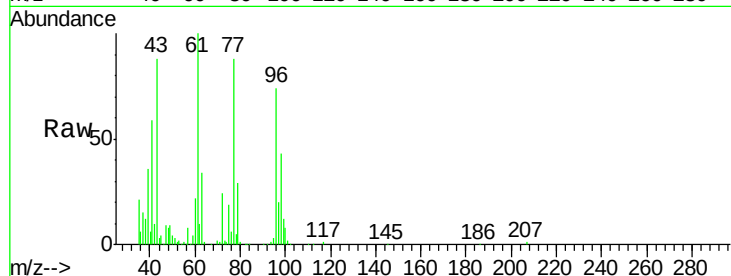
cis-1,2-Dichloroethene
 Concen: 20.724 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VW008881.D
 Acq: 28 Feb 2019 12:24

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0228SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	148.1	0.0	302.6
98	66.1	0.0	130.0

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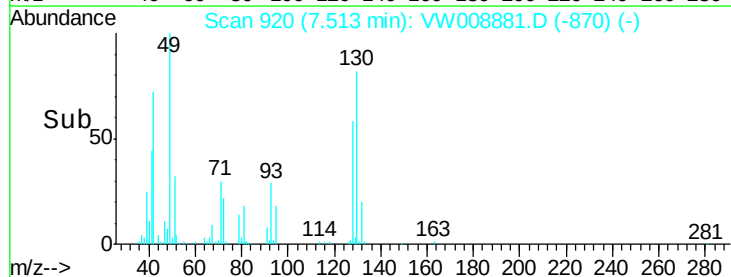
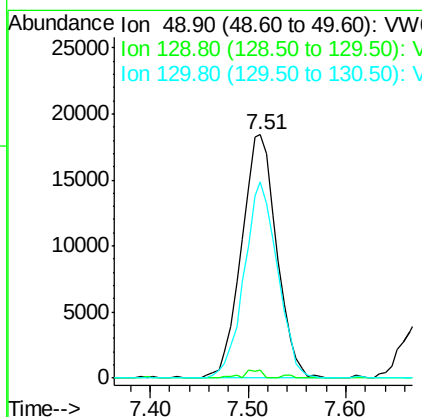
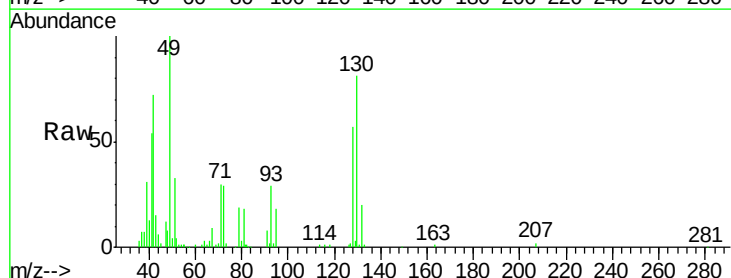
MMDadoda
 3/1/2019 2:57:00 PM

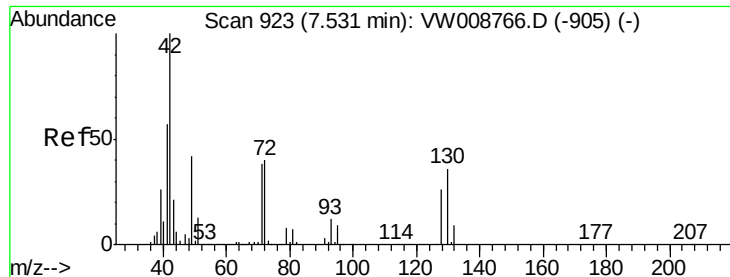


#28

Bromochloromethane
 Concen: 20.922 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. 0.01 min
 Lab File: VW008881.D
 Acq: 28 Feb 2019 12:24

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	2.6
130	76.5	61.3	91.9





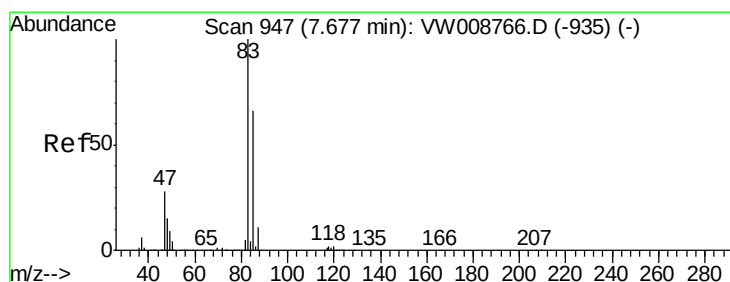
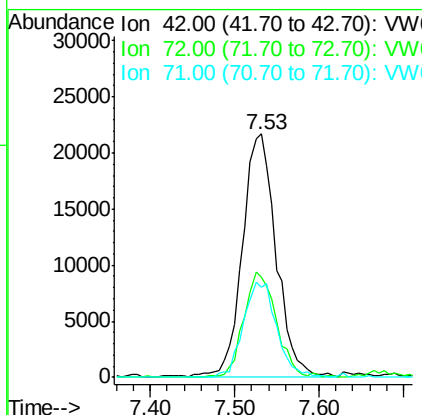
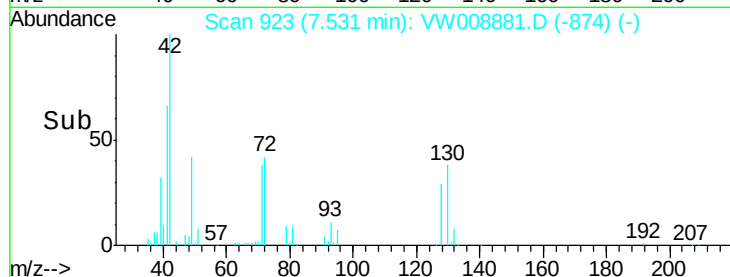
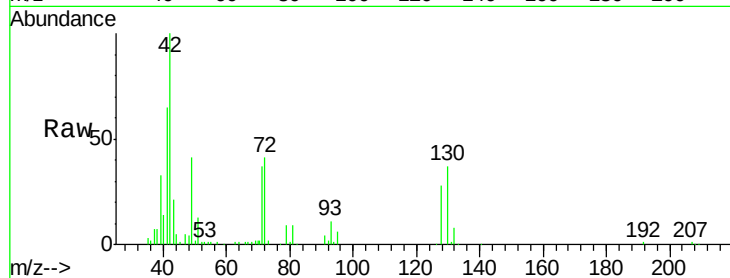
#29
Tetrahydrofuran
Concen: 99.410 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.00 min
Lab File: VW008881.D
Acq: 28 Feb 2019 12:24

Instrument :
MSVOA_W
ClientSampleId :
VW0228SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.9	32.7	49.1
71	39.2	31.3	46.9

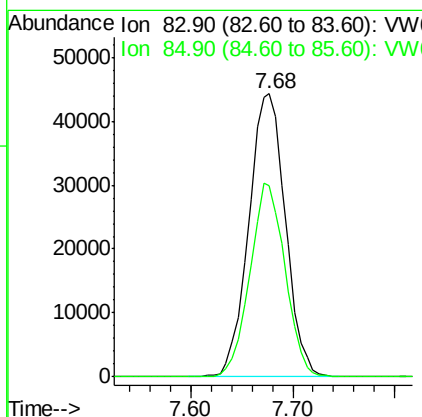
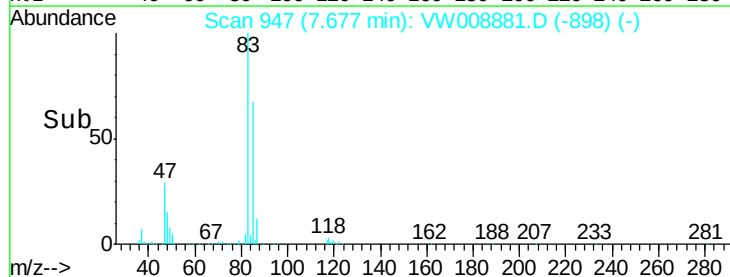
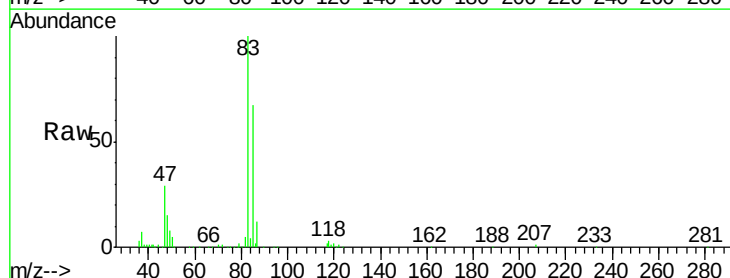
Manual Integrations
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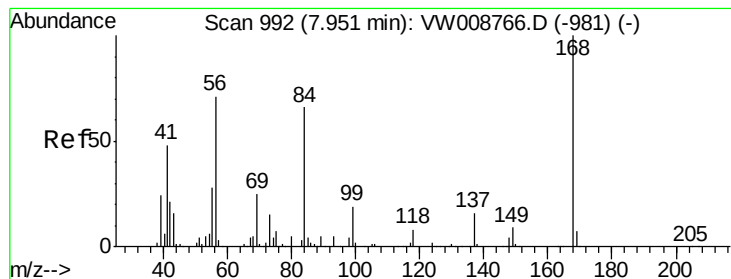
MMDadoda
3/1/2019 2:57:00 PM



#30
Chloroform
Concen: 20.553 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW008881.D
Acq: 28 Feb 2019 12:24

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.4	52.6	79.0





#31

Cyclohexane

Concen: 20.580 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW008881.D

Acq: 28 Feb 2019 12:24

Instrument :

MSVOA_W

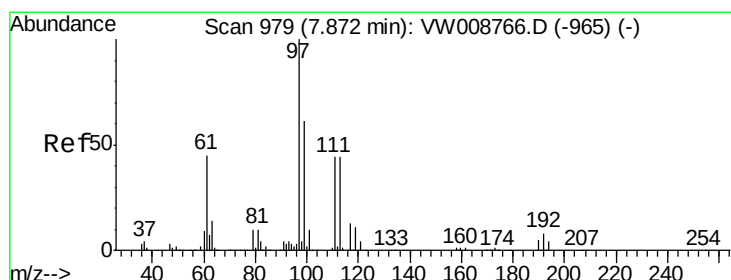
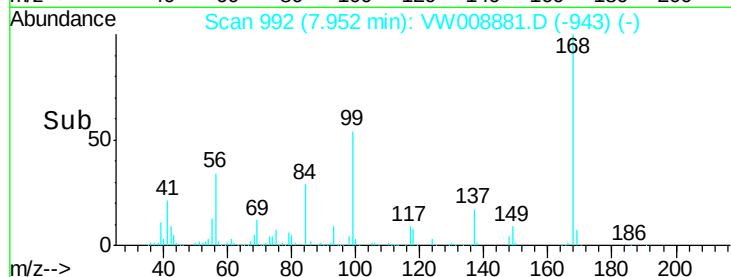
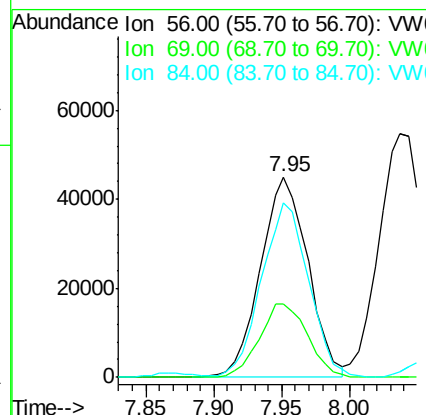
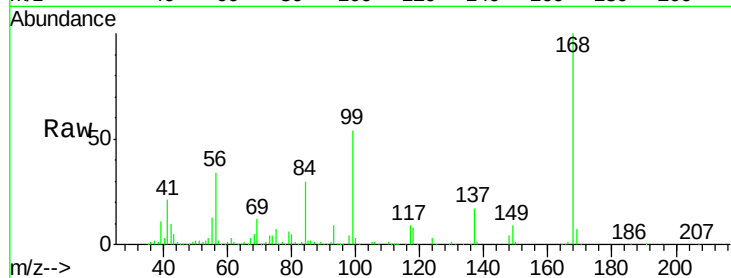
ClientSampleId :

VW0228SBS01

Tot Ion	56	Resp	109257
Ion Ratio	Lower	Upper	
56	100		
69	36.5	28.2	42.4
84	85.8	74.1	111.1

Manual Integrations
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3/1/2019 2:57:00 PM



#32

1,1,1-Trichloroethane

Concen: 20.665 ug/l

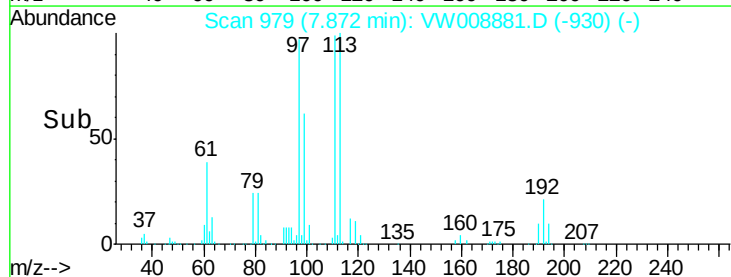
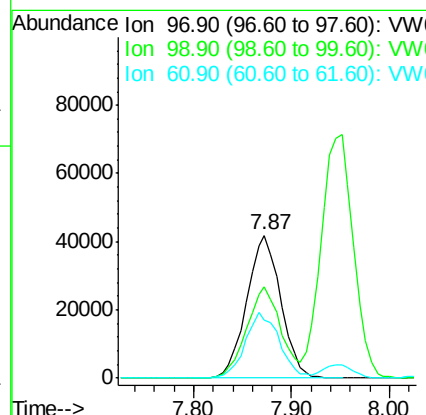
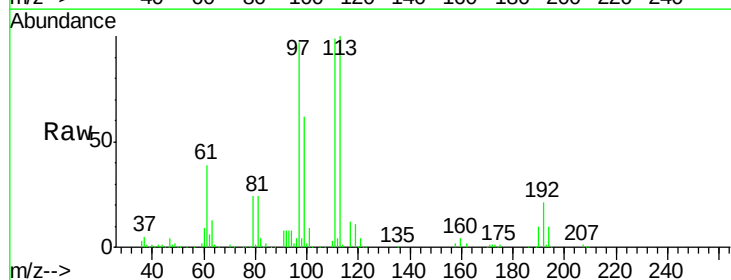
RT: 7.87 min Scan# 979

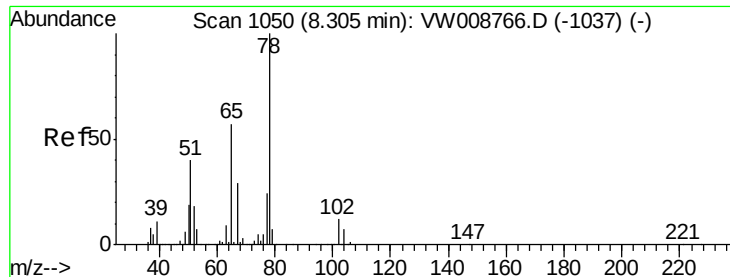
Delta R.T. 0.00 min

Lab File: VW008881.D

Acq: 28 Feb 2019 12:24

Tgt Ion	97	Resp	101111
Ion Ratio	Lower	Upper	
97	100		
99	64.8	50.8	76.2
61	46.4	36.0	54.0





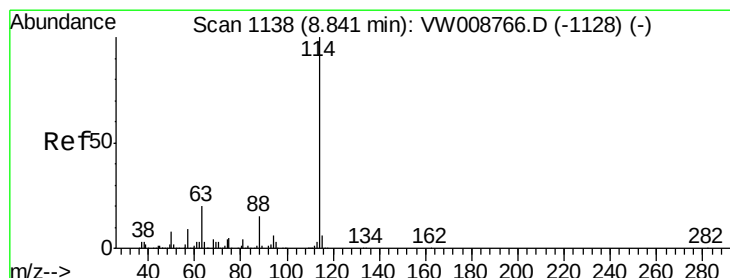
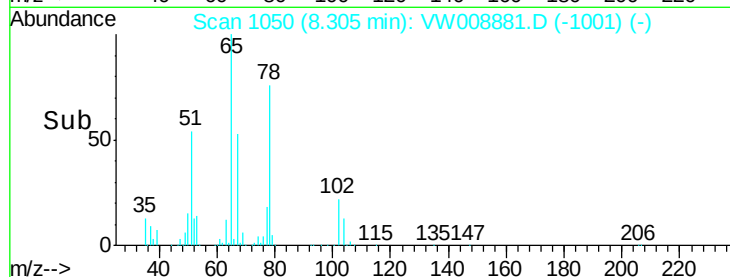
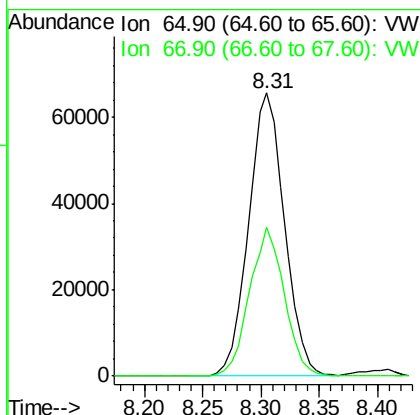
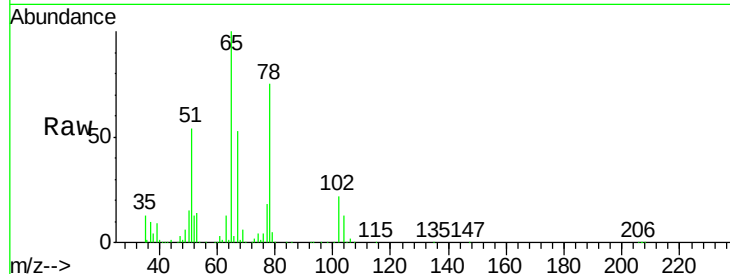
#33
 1,2-Dichloroethane-d4
 Concen: 50.134 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW008881.D
 Acq: 28 Feb 2019 12:24

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0228SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	141177		
67	51.2	0.0	101.4	

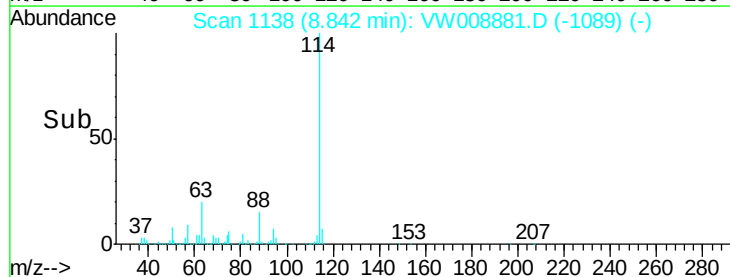
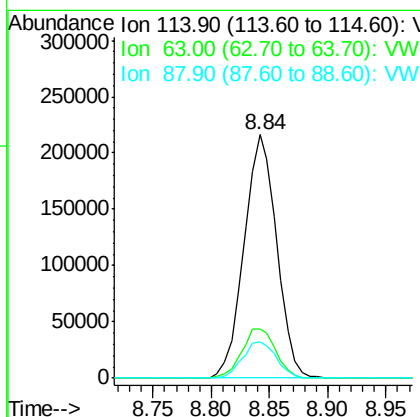
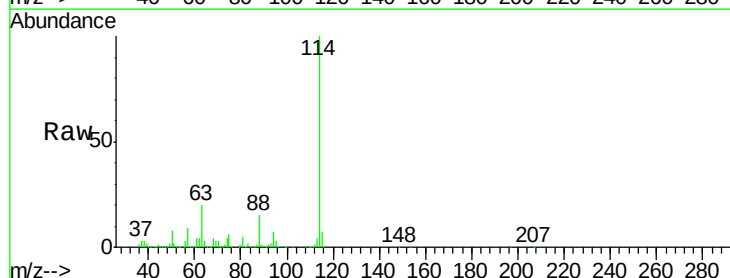
Manual Integrations
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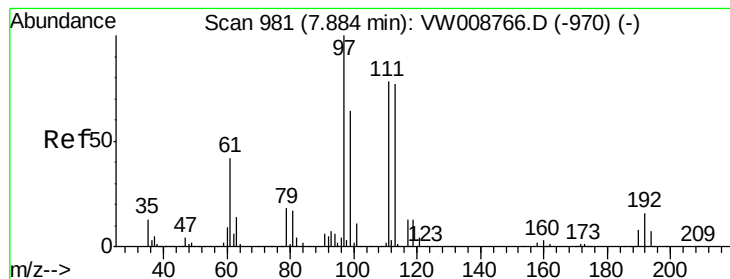
MMDadoda
 3/1/2019 2:57:00 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW008881.D
 Acq: 28 Feb 2019 12:24

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	422881		
63	20.4	0.0	40.8	
88	15.0	0.0	30.4	





#35

Dibromofluoromethane

Concen: 51.738 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW008881.D

Acq: 28 Feb 2019 12:24

Instrument :

MSVOA_W

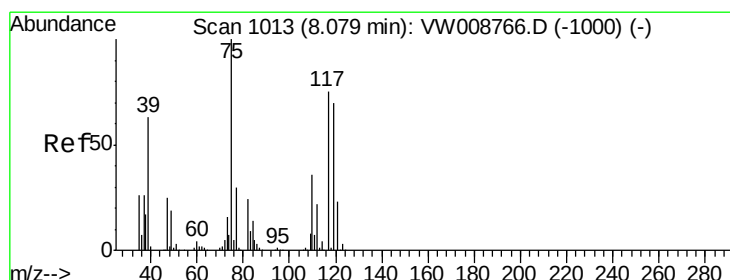
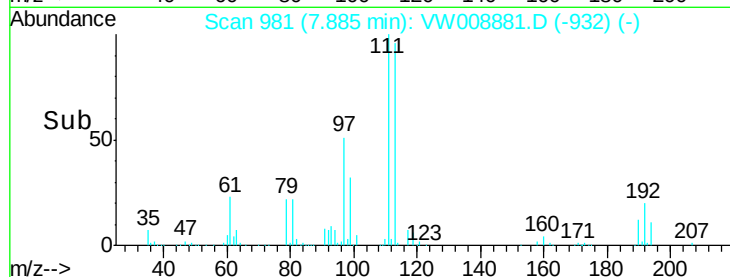
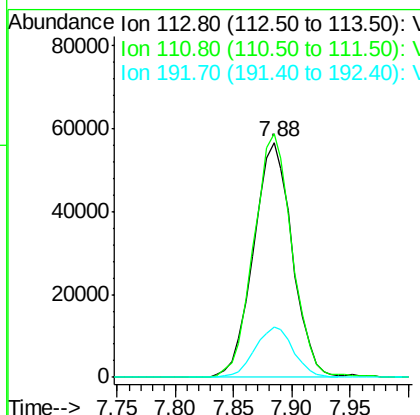
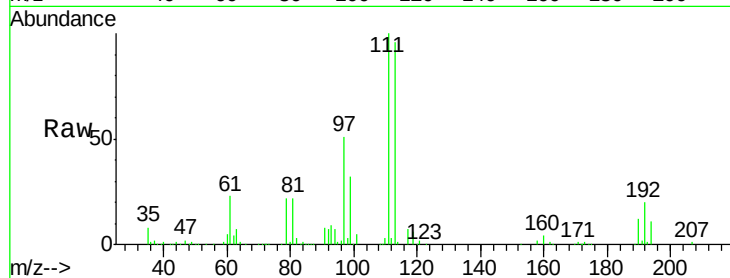
ClientSampleId :

VW0228SBS01

Tot Ion:	113	Resp:	131365
Ion Ratio	Lower	Upper	
113	100		
111	102.9	81.9	122.9
192	21.4	17.1	25.7

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3/1/2019 2:57:00 PM



#36

1,1-Dichloropropene

Concen: 21.548 ug/l

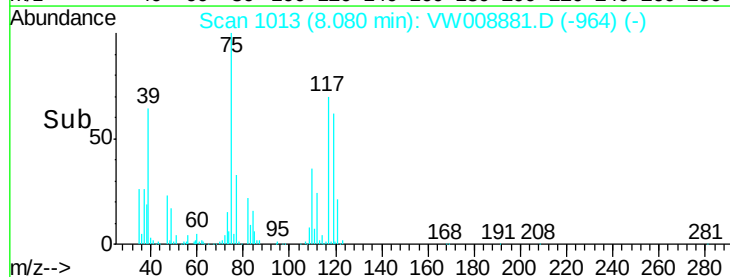
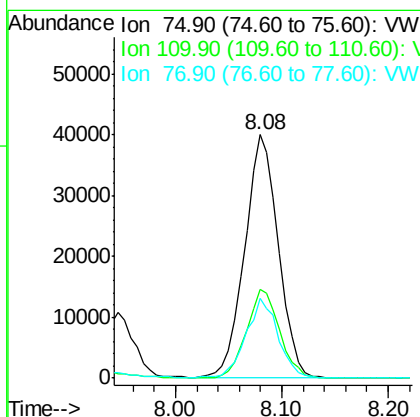
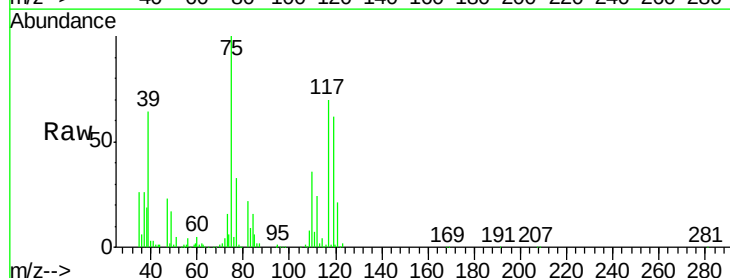
RT: 8.08 min Scan# 1013

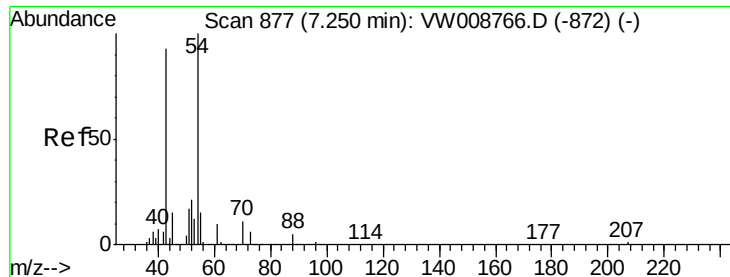
Delta R.T. 0.00 min

Lab File: VW008881.D

Acq: 28 Feb 2019 12:24

Tgt Ion:	75	Resp:	88702
Ion Ratio	Lower	Upper	
75	100		
110	35.7	17.5	52.6
77	31.7	24.5	36.7





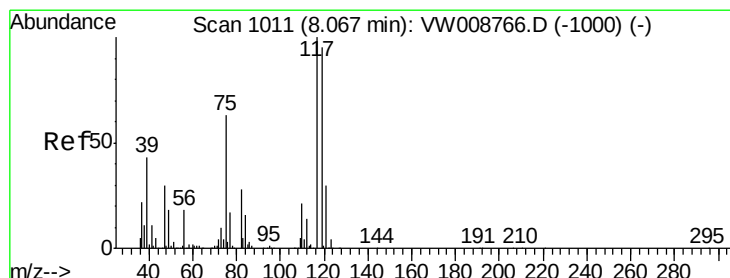
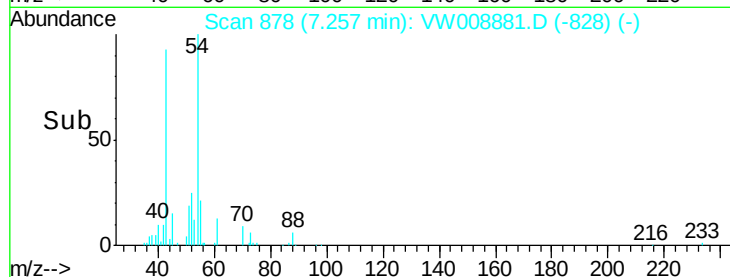
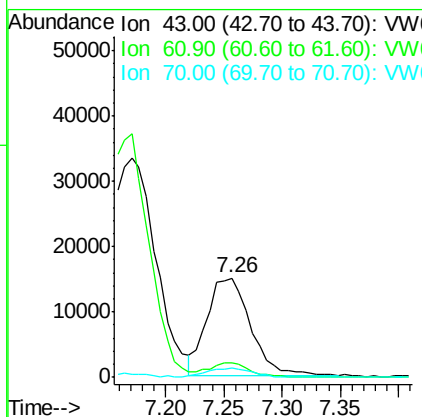
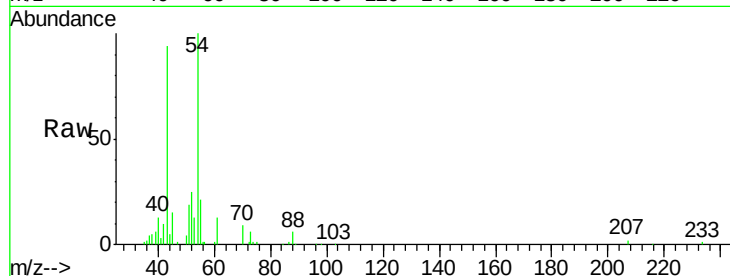
#37
Ethyl Acetate
Concen: 20.401 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.01 min
Lab File: VW008881.D
Acq: 28 Feb 2019 12:24

Instrument :
MSVOA_W
ClientSampleId :
VW0228SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.0	9.8	14.8
70	9.9	8.4	12.6

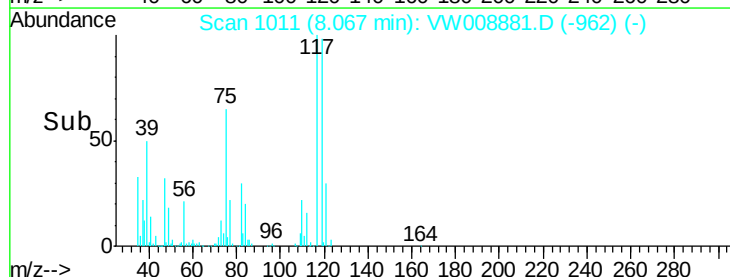
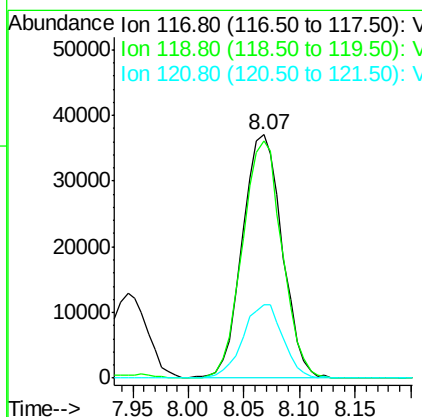
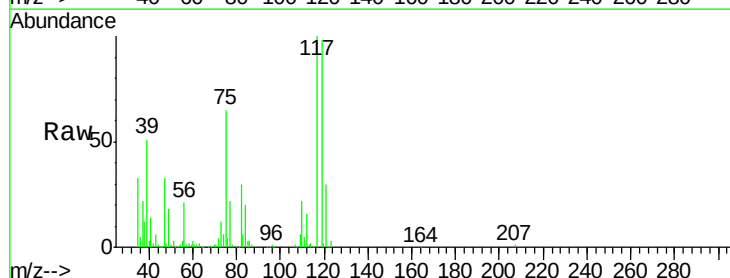
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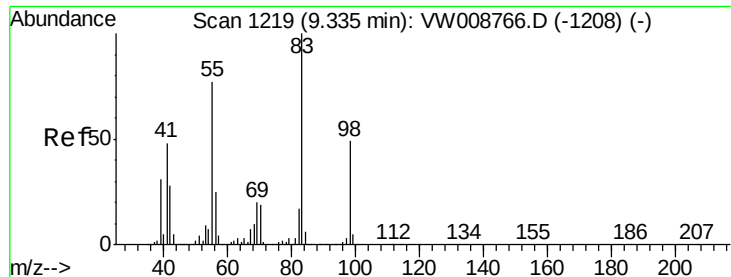
MMDadoda
3/1/2019 2:57:00 PM



#38
Carbon Tetrachloride
Concen: 21.223 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW008881.D
Acq: 28 Feb 2019 12:24

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.6	76.1	114.1
121	30.1	24.0	36.0





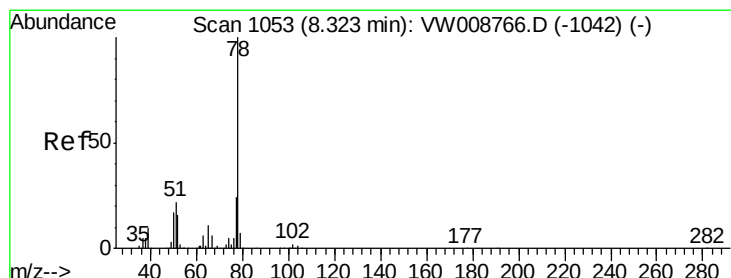
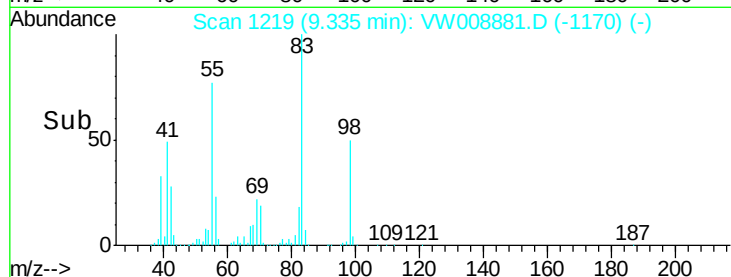
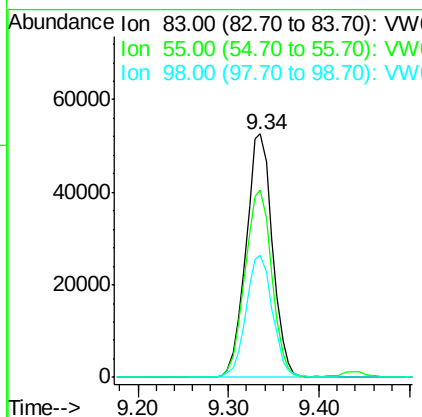
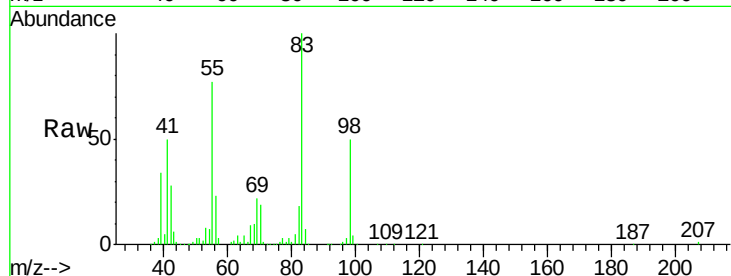
#39
Methylvlcyclohexane
Concen: 20.733 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW008881.D
Acq: 28 Feb 2019 12:24

Instrument :
MSVOA_W
ClientSampleId :
VW0228SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	106453		
55	76.8		61.2	91.8
98	50.2		39.4	59.2

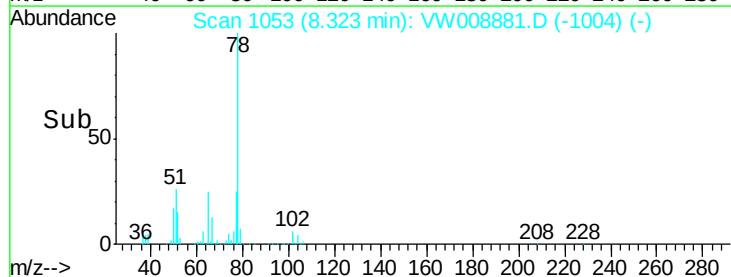
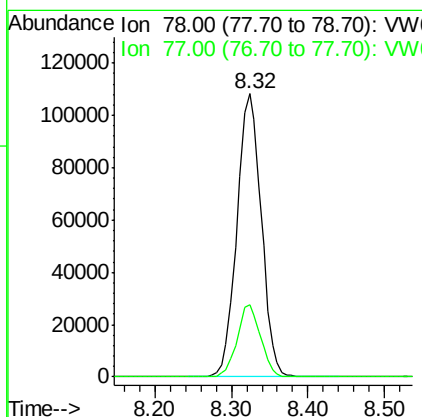
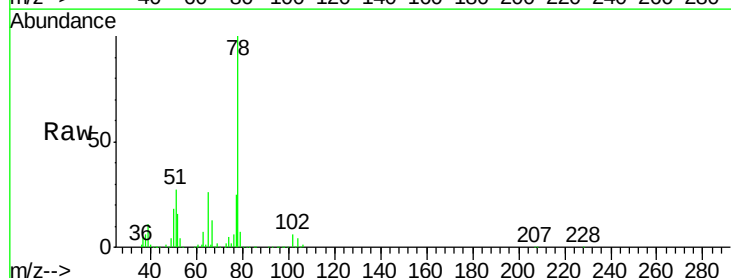
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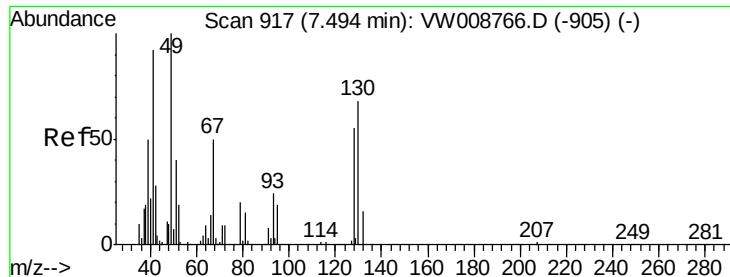
MMDadoda
3/1/2019 2:57:00 PM



#40
Benzene
Concen: 21.203 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW008881.D
Acq: 28 Feb 2019 12:24

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	238302		
77	25.4		19.3	28.9





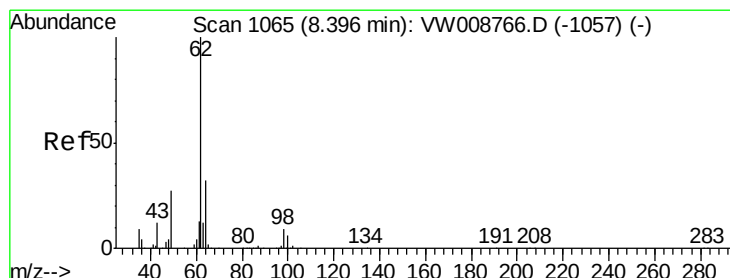
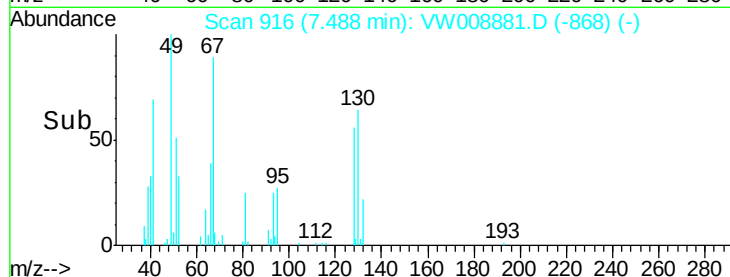
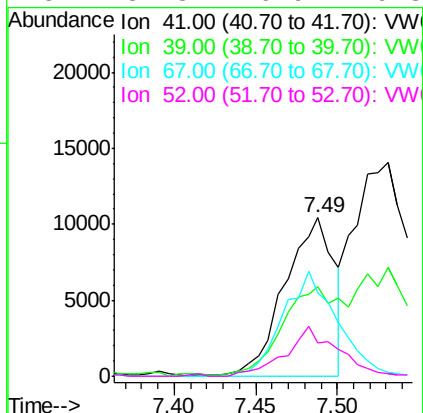
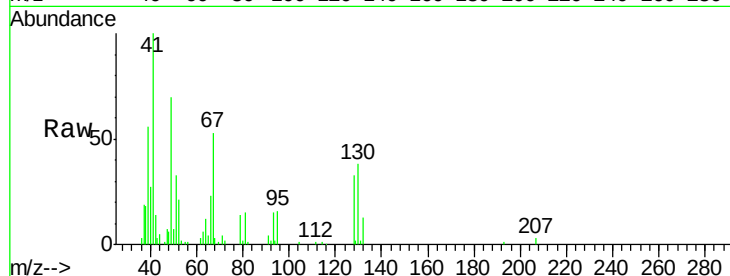
#41
Methacrylonitrile
Concen: 19.673 ug/l
RT: 7.49 min Scan# 916
Delta R.T. -0.01 min
Lab File: VW008881.D
Acq: 28 Feb 2019 12:24

Instrument :
MSVOA_W
ClientSampleId :
VW0228SBSD01

Tot Ion	41	Resp	22136
Ion	Ratio	Lower	Upper
41	100		
39	67.6	52.5	78.7
67	73.0	55.0	82.6
52	32.3	26.9	40.3

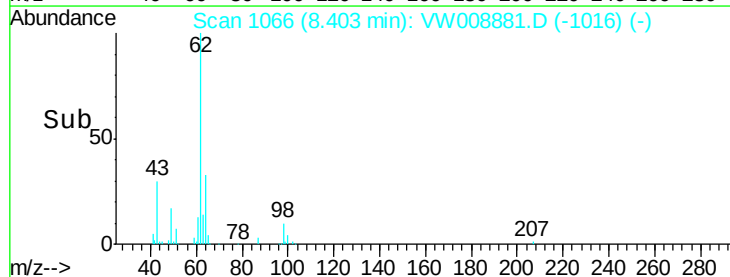
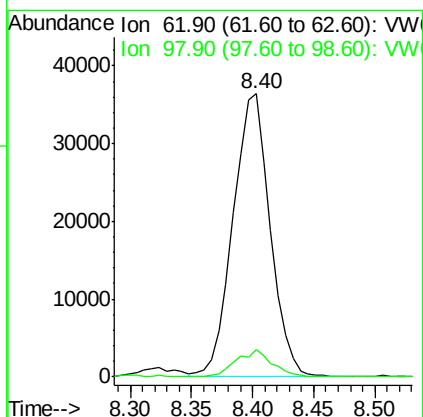
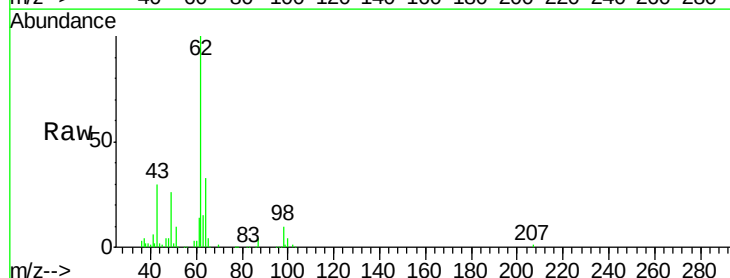
Manual Integrations
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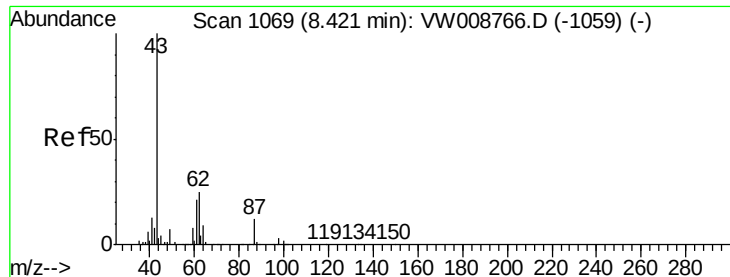
MMDadoda
3/1/2019 2:57:00 PM



#42
1,2-Dichloroethane
Concen: 21.478 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.01 min
Lab File: VW008881.D
Acq: 28 Feb 2019 12:24

Tgt Ion	62	Resp	76470
Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	18.2





#43

Isopropyl Acetate

Concen: 20.963 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW008881.D

Acq: 28 Feb 2019 12:24

Instrument :

MSVOA_W

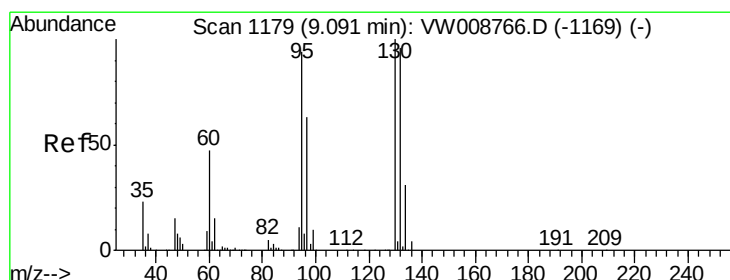
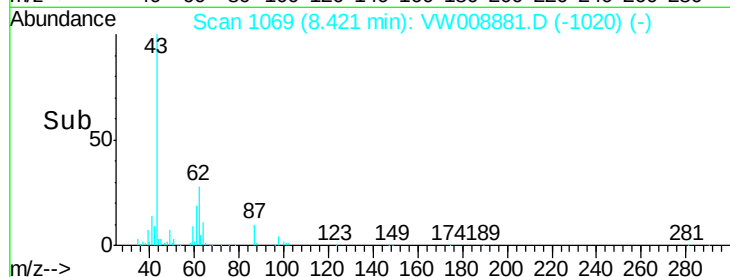
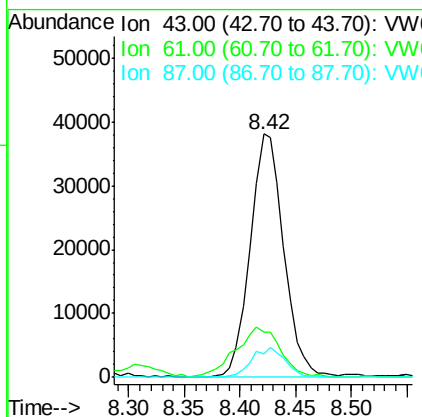
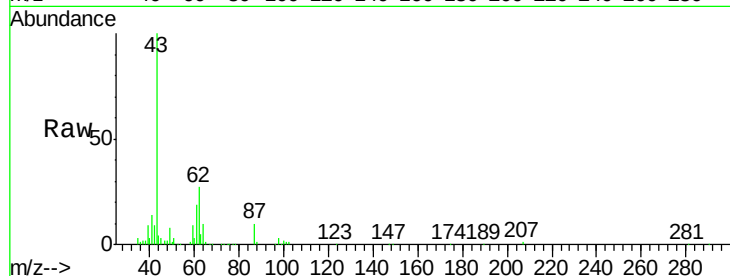
ClientSampleId :

VW0228SBS01

Tot Ion:	43	Resp:	80090
Ion	Ratio	Lower	Upper
43	100		
61	28.0	23.2	34.8
87	12.6	9.9	14.9

Manual Integrations
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#44

Trichloroethene

Concen: 21.791 ug/l

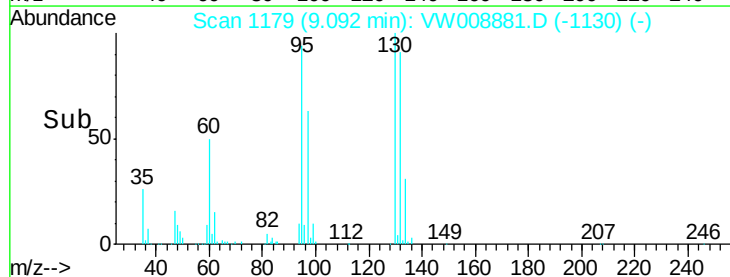
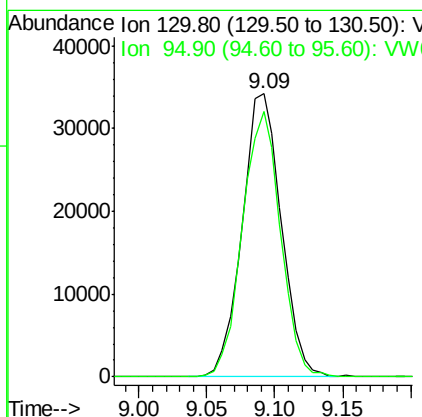
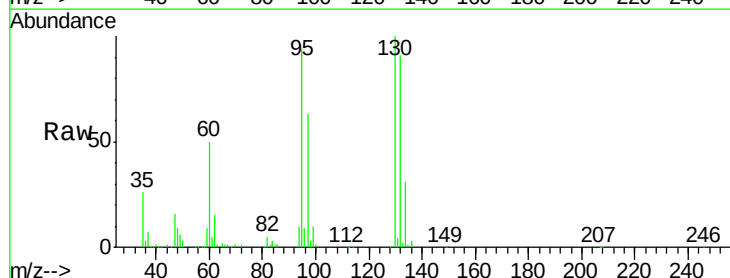
RT: 9.09 min Scan# 1179

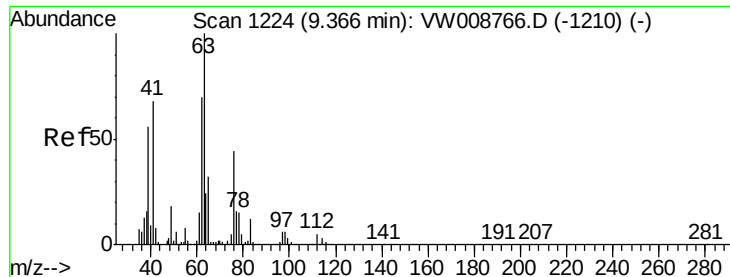
Delta R.T. 0.00 min

Lab File: VW008881.D

Acq: 28 Feb 2019 12:24

Tgt Ion:	130	Resp:	68994
Ion	Ratio	Lower	Upper
130	100		
95	93.8	0.0	188.6





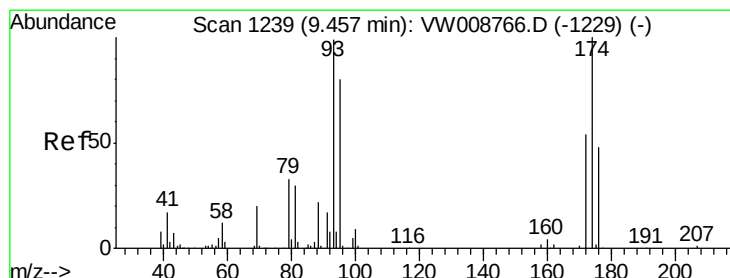
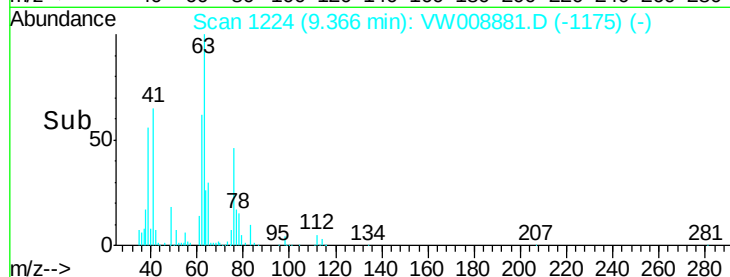
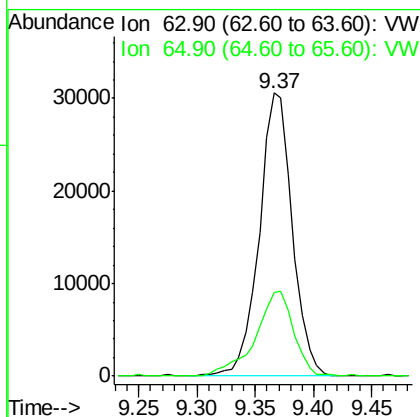
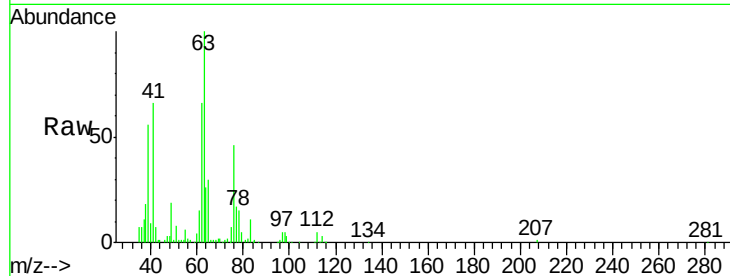
#45
 1,2-Dichloropropane
 Concen: 21.743 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW008881.D
 Acq: 28 Feb 2019 12:24

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0228SBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	29.8	25.5	38.3

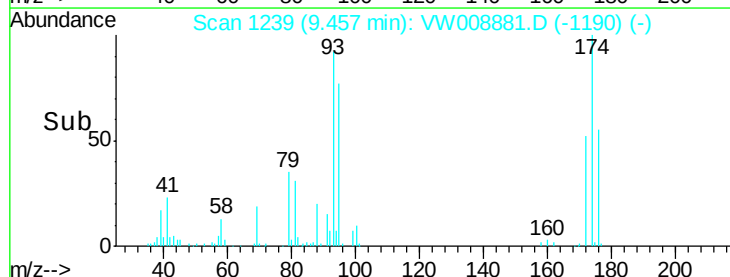
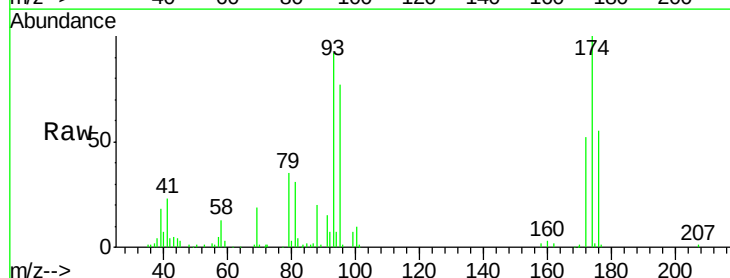
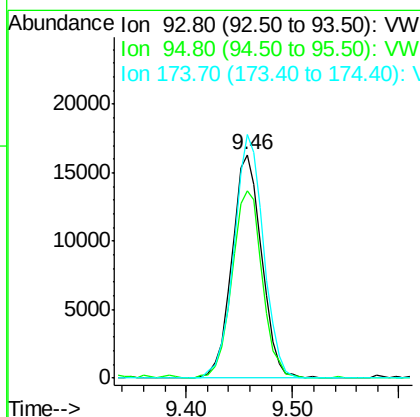
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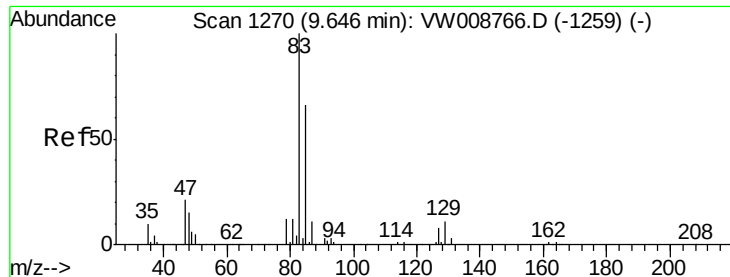
MMDadoda
 3/1/2019 2:57:00 PM



#46
 Dibromomethane
 Concen: 20.717 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW008881.D
 Acq: 28 Feb 2019 12:24

Tgt Ion	Ratio	Lower	Upper
93	100		
95	85.3	67.7	101.5
174	107.7	86.7	130.1





#47

Bromodichloromethane

Concen: 21.431 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VW008881.D

Acq: 28 Feb 2019 12:24

Instrument :

MSVOA_W

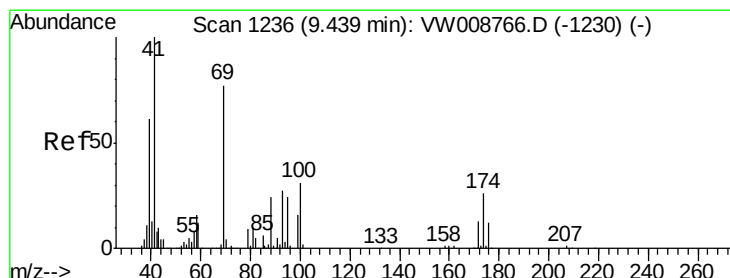
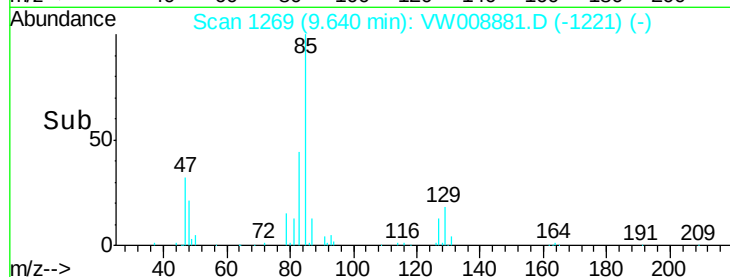
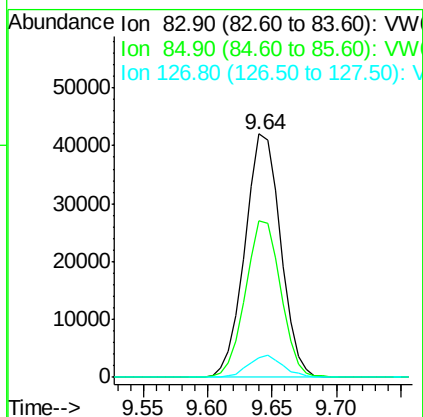
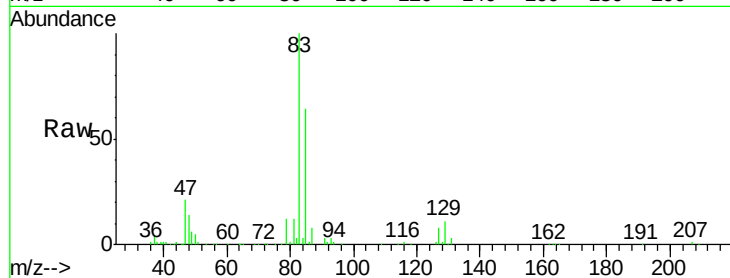
ClientSampleId :

VW0228SBS01

Tot Ion:	83	Resp:	80555
Ion	Ratio	Lower	Upper
83	100		
85	64.2	52.5	78.7
127	8.2	6.7	10.1

Manual Integrations
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3/1/2019 2:57:00 PM



#48

Methyl methacrylate

Concen: 18.953 ug/l

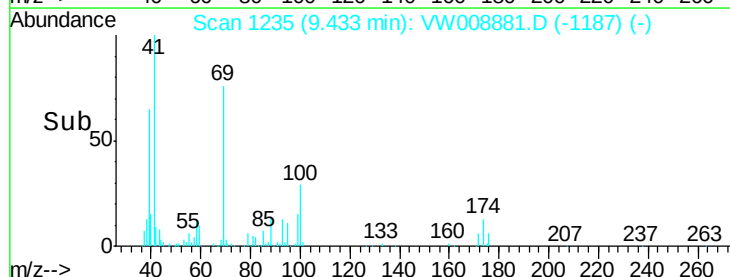
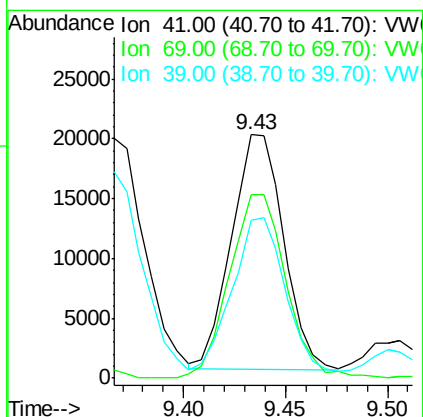
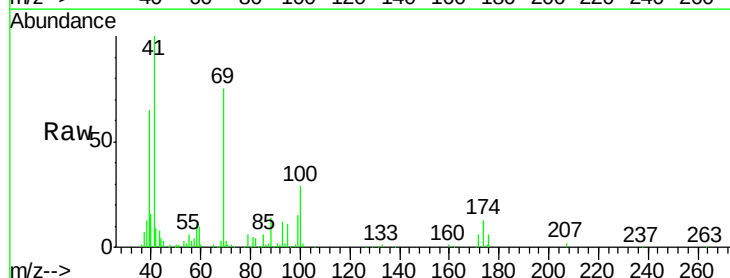
RT: 9.43 min Scan# 1235

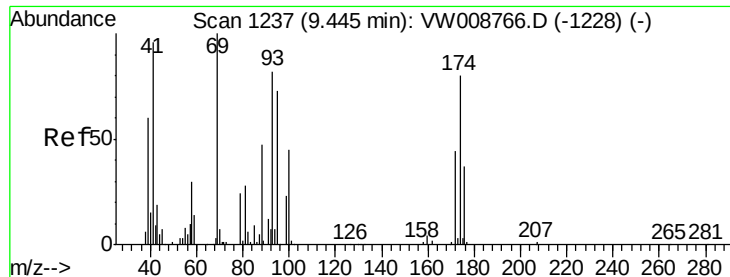
Delta R.T. -0.01 min

Lab File: VW008881.D

Acq: 28 Feb 2019 12:24

Tgt Ion:	41	Resp:	34680
Ion	Ratio	Lower	Upper
41	100		
69	85.6	63.6	95.4
39	65.8	52.1	78.1





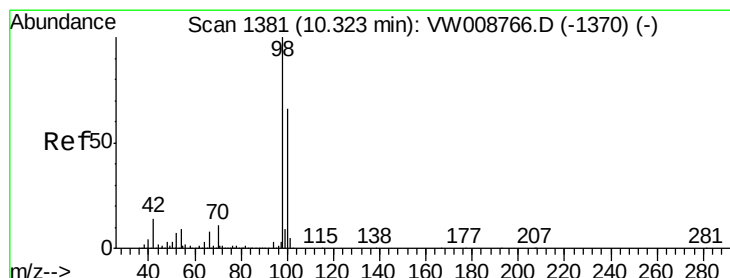
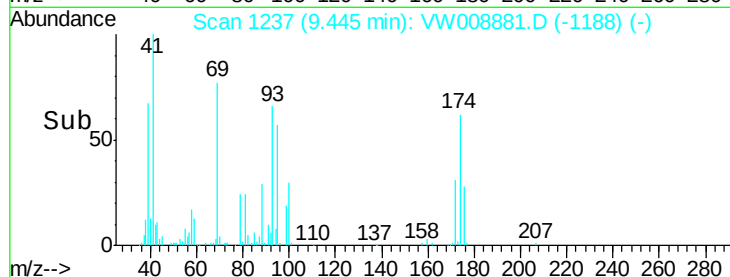
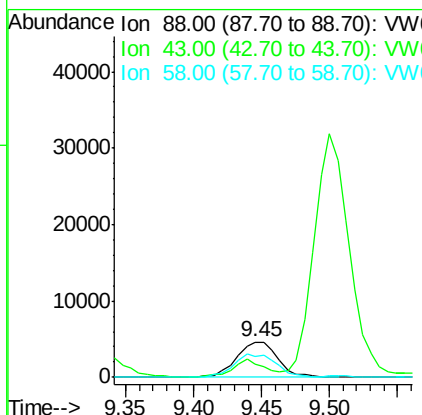
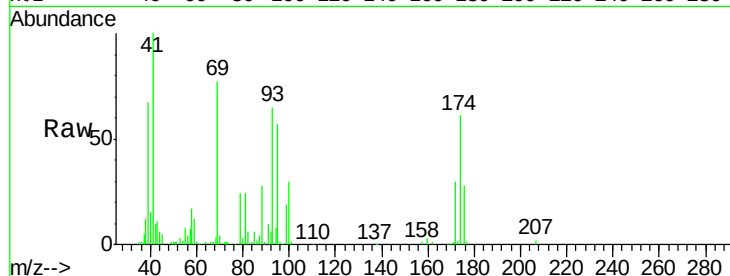
#49
1,4-Dioxane
Concen: 397.859 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VW008881.D
Acq: 28 Feb 2019 12:24

Instrument :
MSVOA_W
ClientSampleId :
VW0228SBSD01

Tot Ion	88	Resp	9843
Ion	Ratio	Lower	Upper
88	100		
43	37.0	29.0	43.4
58	68.7	52.0	78.0

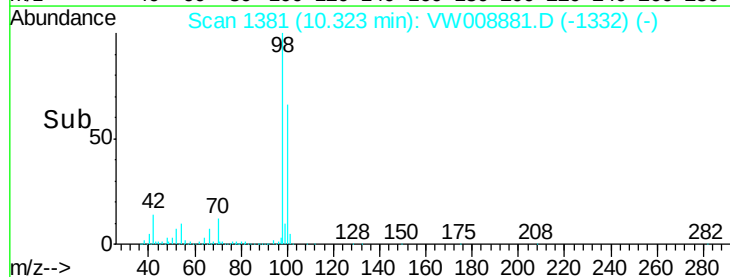
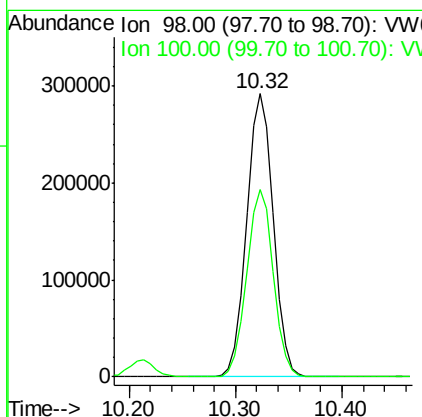
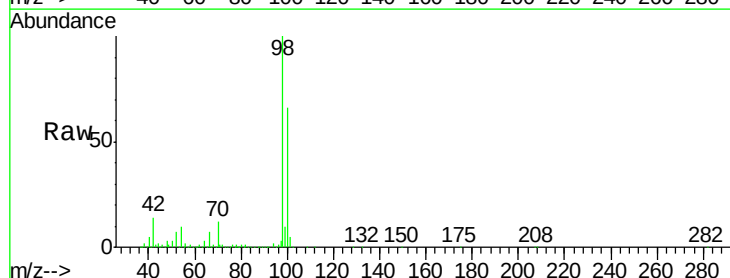
Manual Integrations
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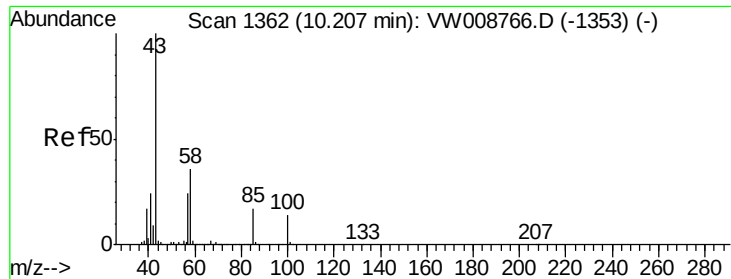
MMDadoda
3/1/2019 2:57:00 PM



#50
Toluene-d8
Concen: 52.172 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW008881.D
Acq: 28 Feb 2019 12:24

Tgt Ion	98	Resp	511360
Ion	Ratio	Lower	Upper
98	100		
100	66.2	52.4	78.6





#51

4-Methyl-2-Pentanone

Concen: 101.670 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW008881.D

Acq: 28 Feb 2019 12:24

Instrument :

MSVOA_W

ClientSampleId :

VW0228SBSD01

Tot Ion: 43 Resp: 197205

Ion Ratio Lower Upper

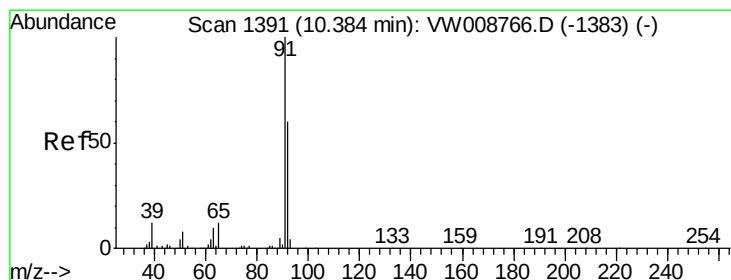
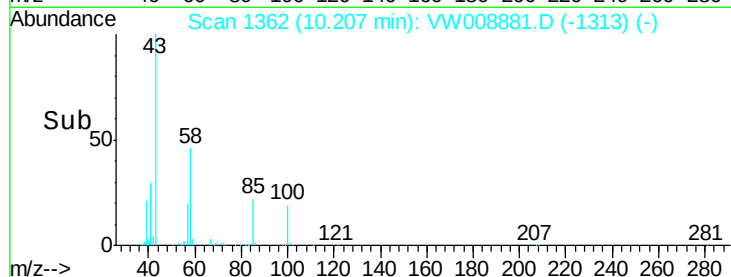
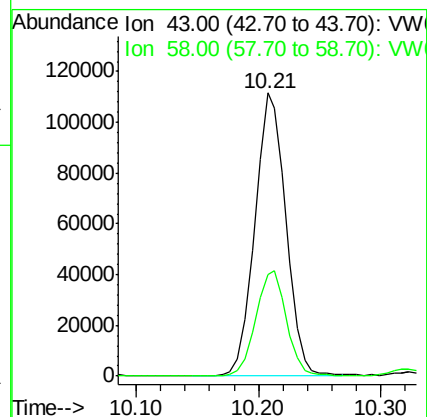
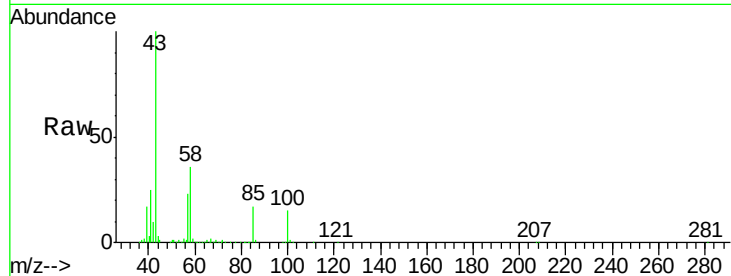
43 100

58 36.9 29.1 43.7

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#52

Toluene

Concen: 21.477 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW008881.D

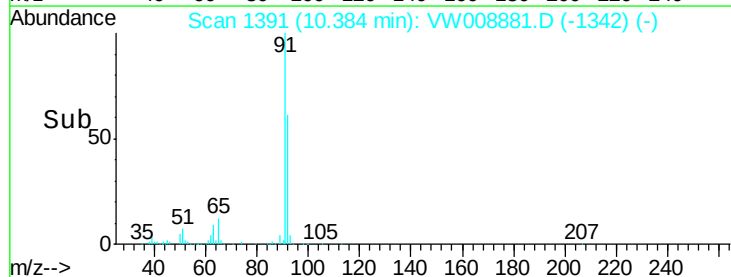
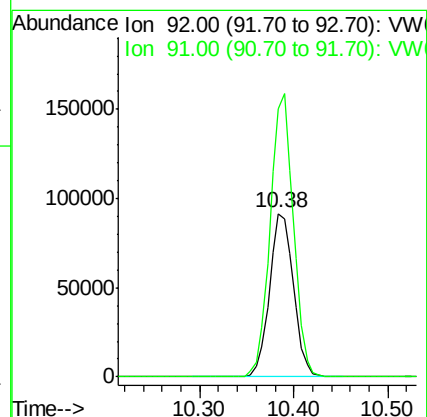
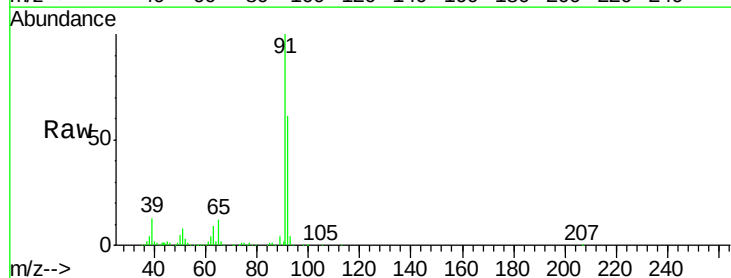
Acq: 28 Feb 2019 12:24

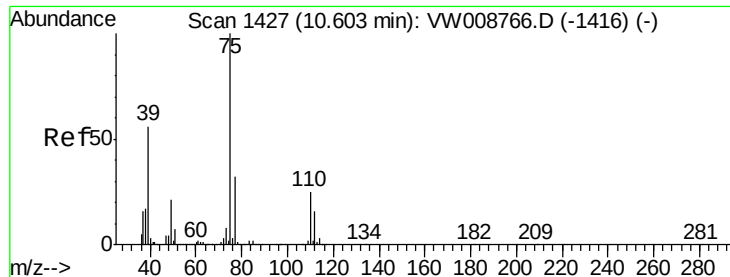
Tgt Ion: 92 Resp: 163823

Ion Ratio Lower Upper

92 100

91 168.1 136.9 205.3





#53

t-1,3-Dichloropropene

Concen: 20.568 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW008881.D

Acq: 28 Feb 2019 12:24

Instrument :

MSVOA_W

ClientSampleId :

VW0228SBSD01

Tot Ion: 75 Resp: 78797

Ion Ratio Lower Upper

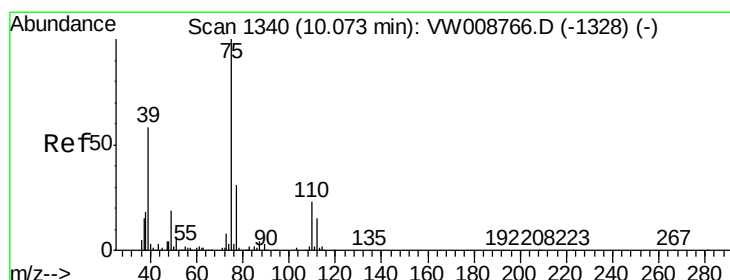
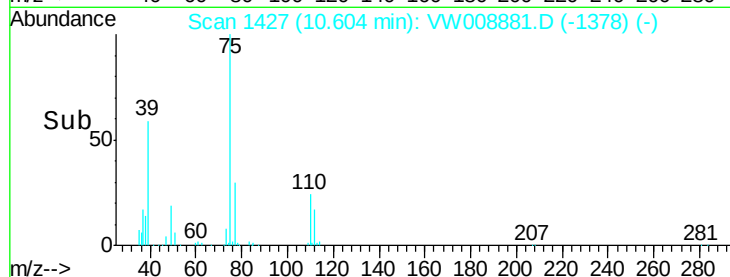
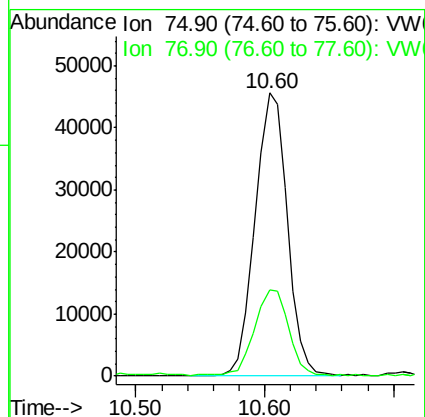
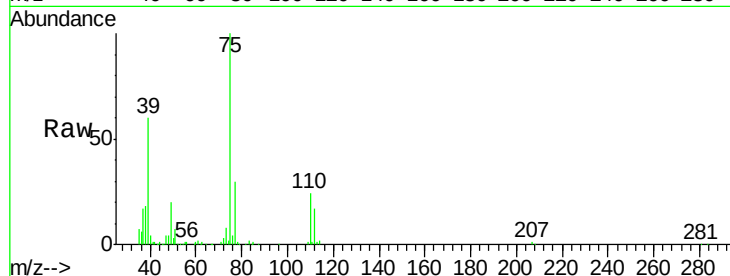
75 100

77 30.0 26.1 39.1

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#54

cis-1,3-Dichloropropene

Concen: 21.700 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW008881.D

Acq: 28 Feb 2019 12:24

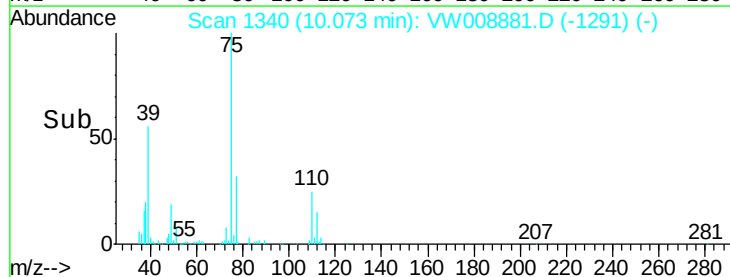
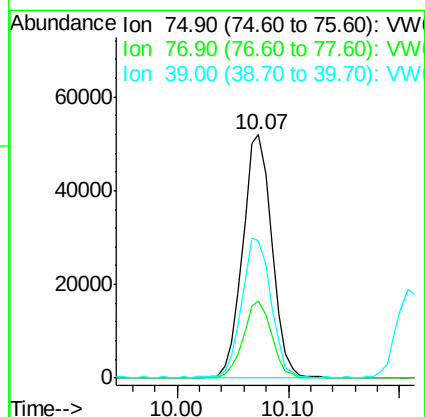
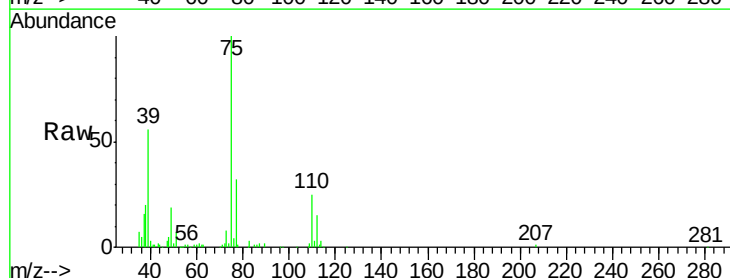
Tgt Ion: 75 Resp: 94819

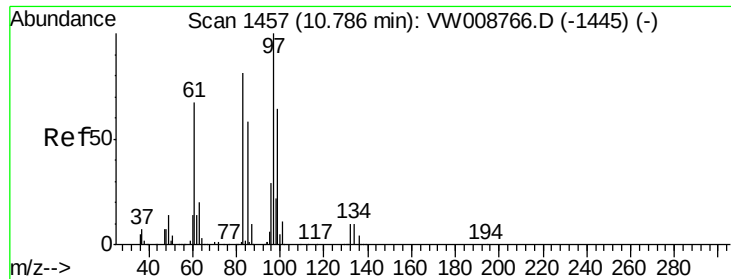
Ion Ratio Lower Upper

75 100

77 31.9 25.0 37.4

39 56.1 46.6 70.0





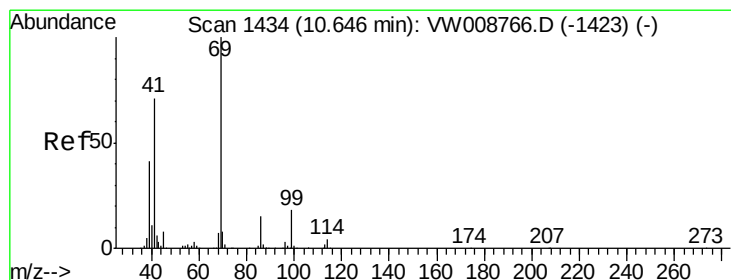
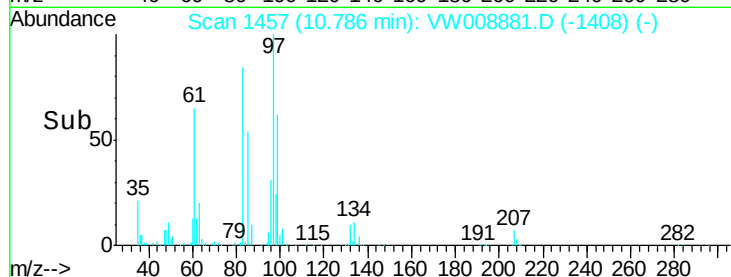
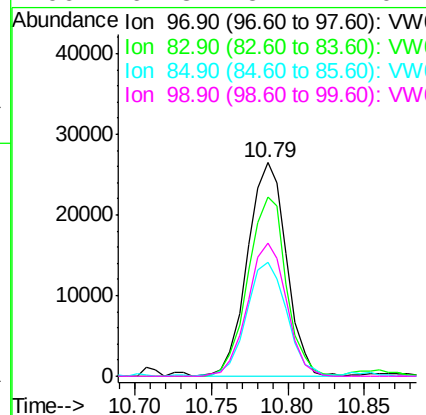
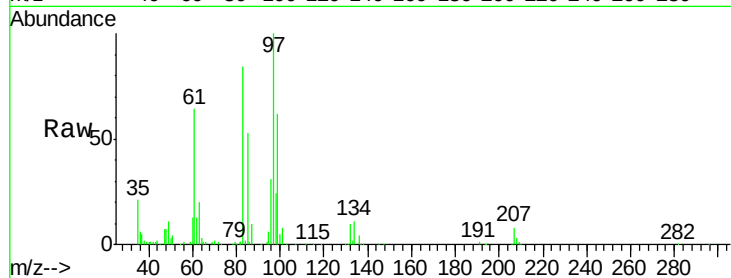
#55
 1,1,2-Trichloroethane
 Concen: 22.340 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW008881.D
 Acq: 28 Feb 2019 12:24

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0228SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		46805		
83	84.2	65.0	97.6		
85	53.5	46.0	69.0		
99	62.3	51.1	76.7		

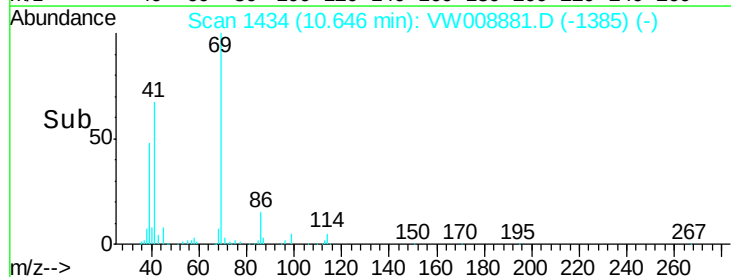
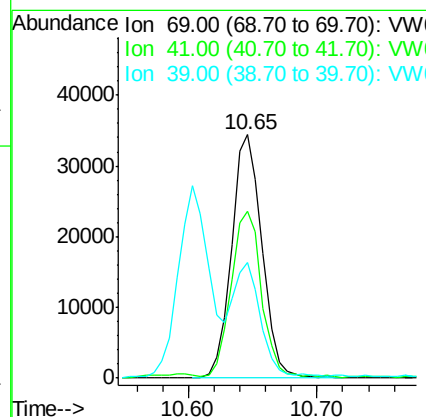
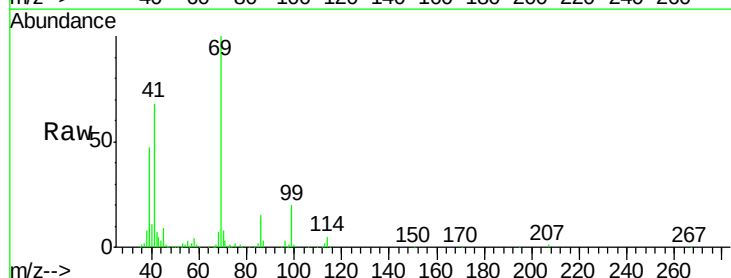
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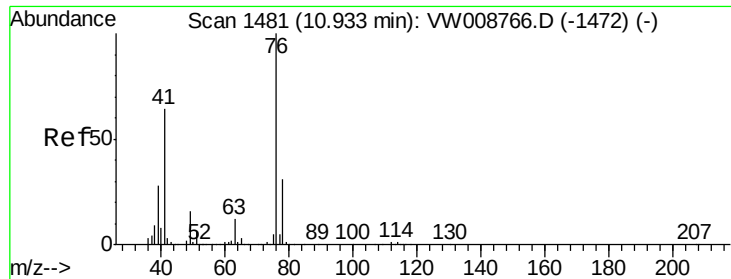
MMDadoda
 3/1/2019 2:57:00 PM



#56
 Ethyl methacrylate
 Concen: 20.815 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW008881.D
 Acq: 28 Feb 2019 12:24

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		56658		
41	68.3	57.4	86.0		
39	42.7	34.8	52.2		





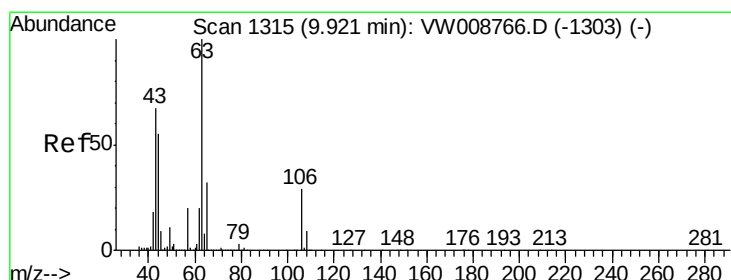
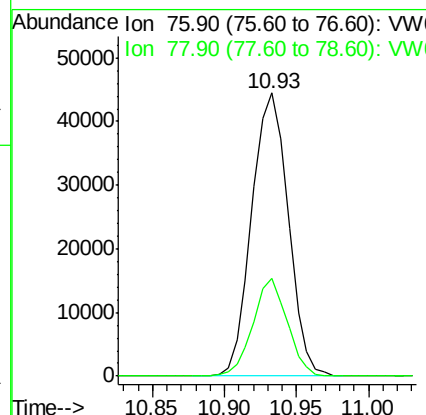
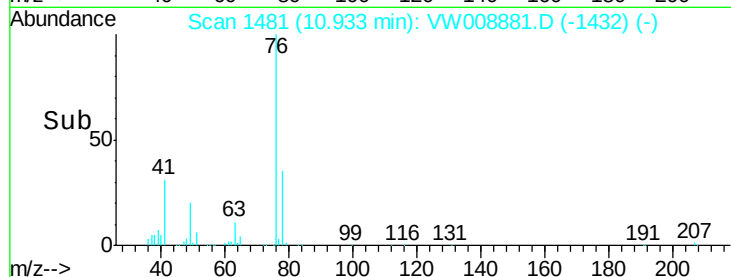
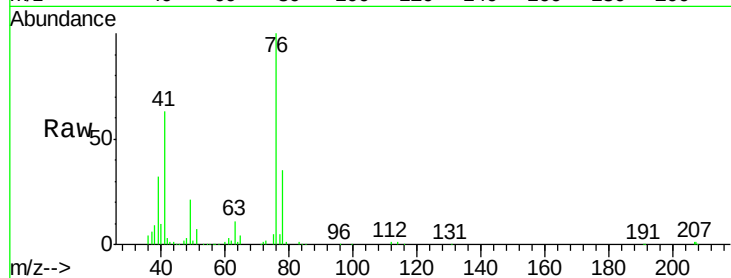
#57
 1,3-Dichloropropane
 Concen: 21.105 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW008881.D
 Acq: 28 Feb 2019 12:24

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0228SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.3	25.8	38.8

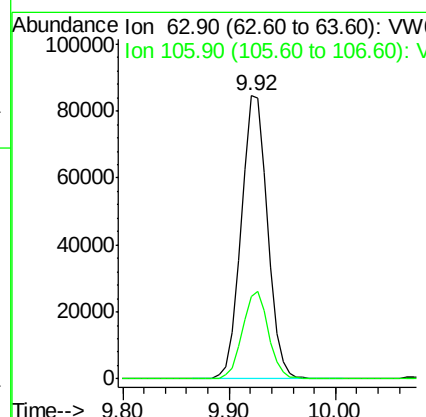
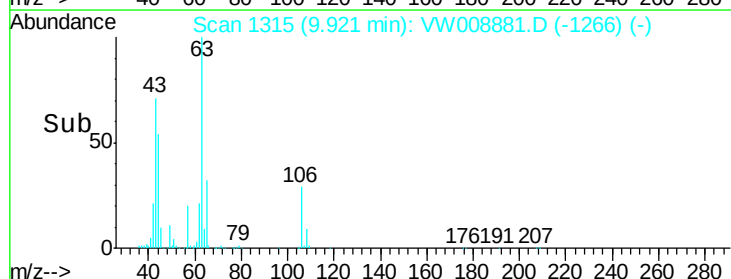
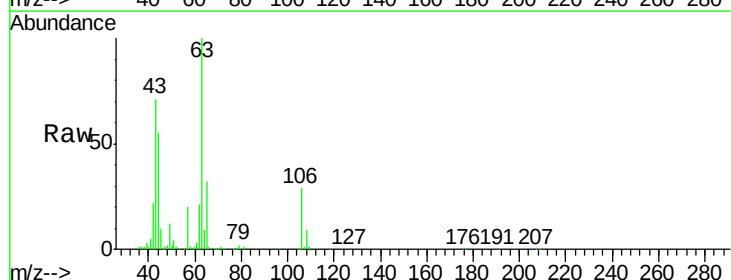
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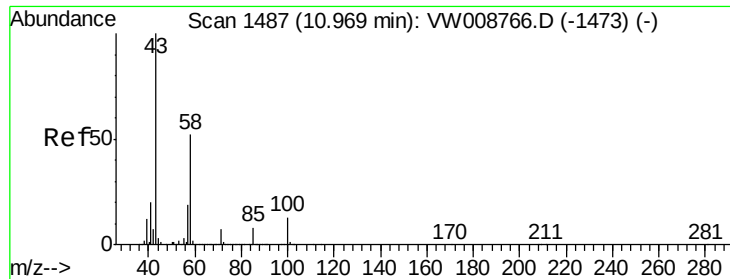
MMDadoda
 3/1/2019 2:57:00 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 107.637 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW008881.D
 Acq: 28 Feb 2019 12:24

Tgt Ion	Ratio	Lower	Upper
63	100		
106	30.4	24.0	36.0





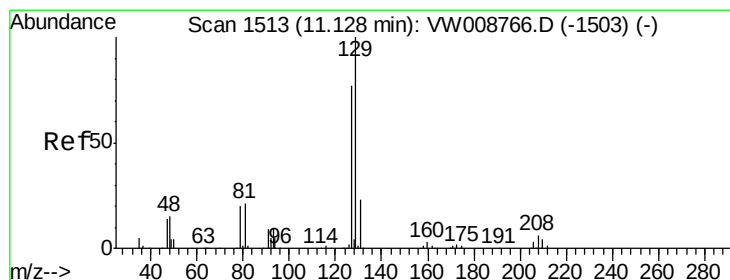
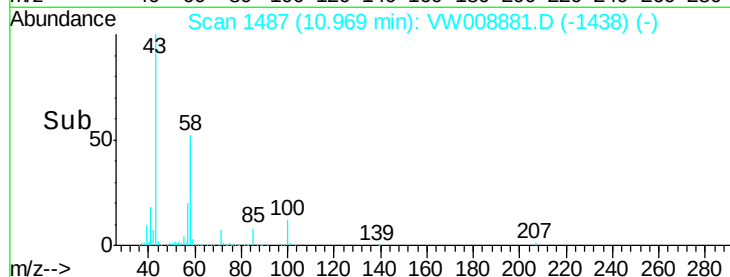
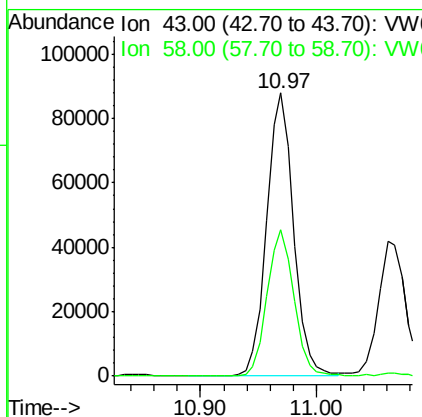
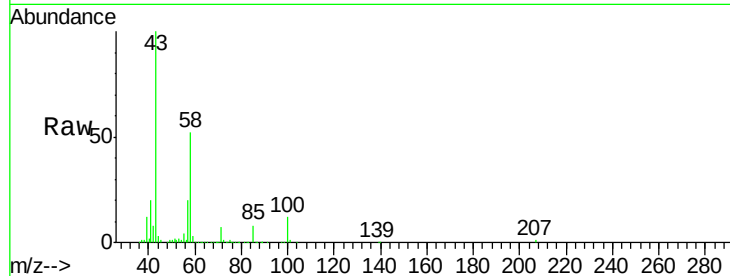
#59
2-Hexanone
Concen: 102.326 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW008881.D
Acq: 28 Feb 2019 12:24

Instrument :
MSVOA_W
ClientSampleId :
VW0228SBSD01

Tot Ion	43	Resp	141285
Ion Ratio	43	100	
Lower	58	51.9	25.3
Upper			75.8

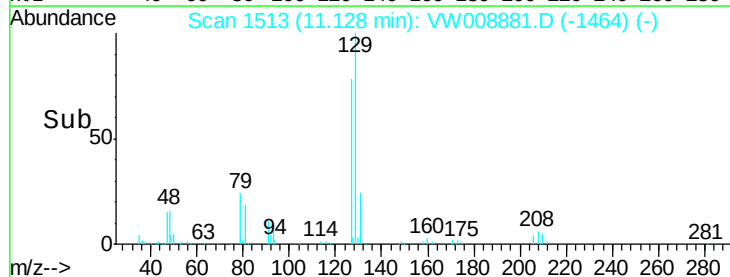
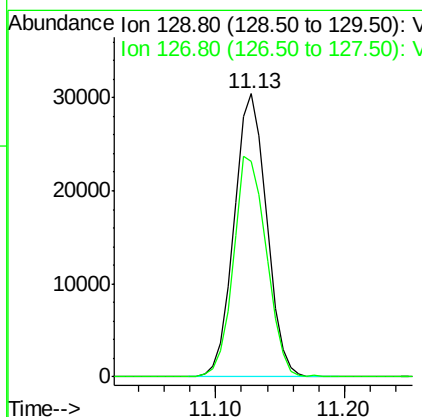
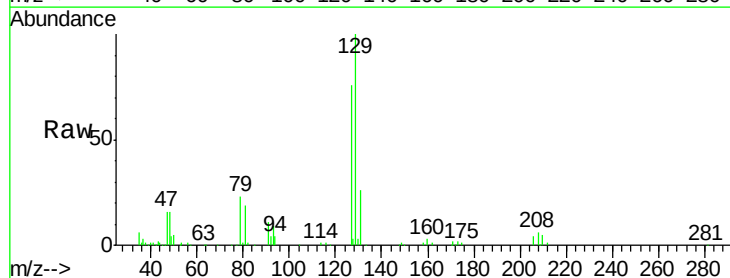
Manual Integrations
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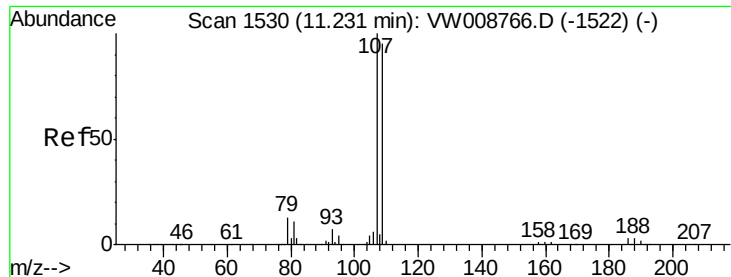
MMDadoda
3/1/2019 2:57:00 PM



#60
Dibromochloromethane
Concen: 20.843 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW008881.D
Acq: 28 Feb 2019 12:24

Tgt Ion	129	Resp	53263
Ion Ratio	129	100	
Lower	127	79.1	39.0
Upper			116.9





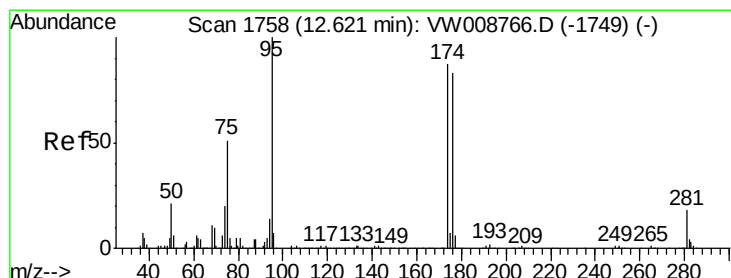
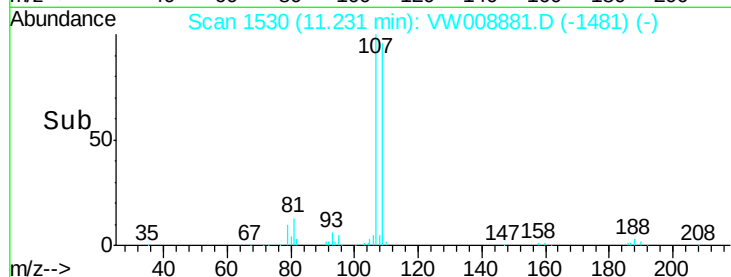
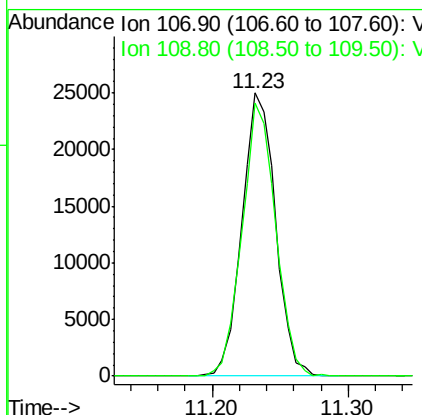
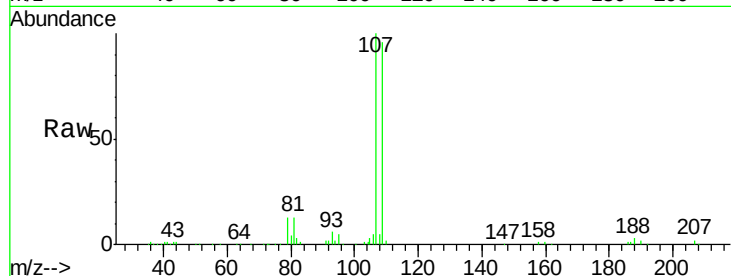
#61
 1,2-Dibromoethane
 Concen: 20.767 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. 0.00 min
 Lab File: VW008881.D
 Acq: 28 Feb 2019 12:24

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0228SBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	96.2	75.6	113.4

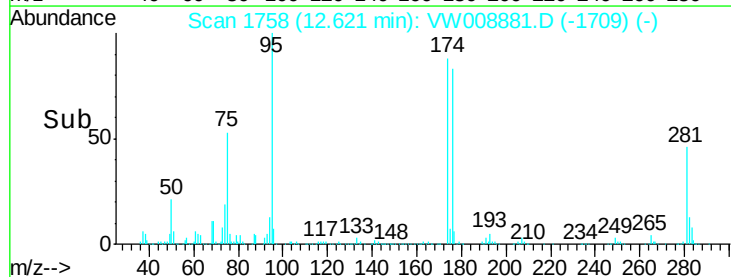
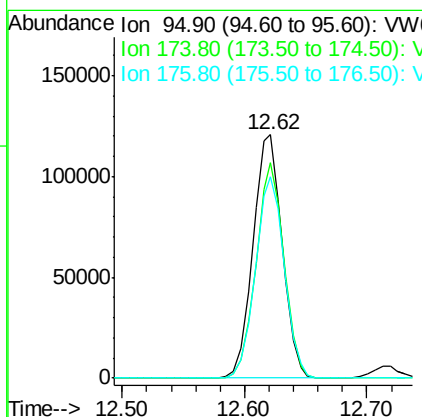
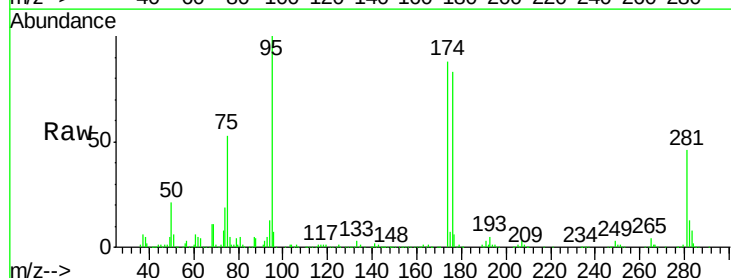
Manual Integrations
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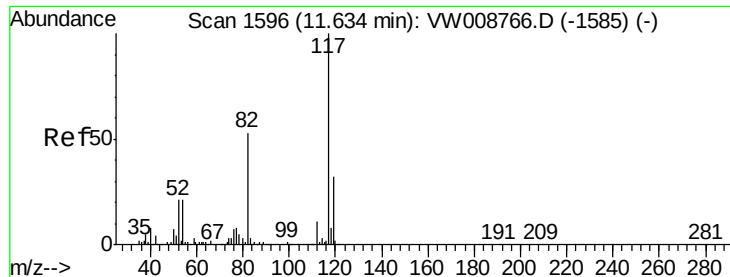
MMDadoda
 3/1/2019 2:57:00 PM



#62
 4-Bromofluorobenzene
 Concen: 52.095 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW008881.D
 Acq: 28 Feb 2019 12:24

Tgt Ion	Ratio	Lower	Upper
95	100		
174	85.1	0.0	169.2
176	82.1	0.0	163.6





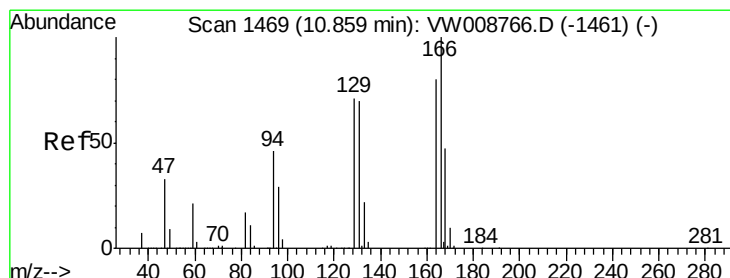
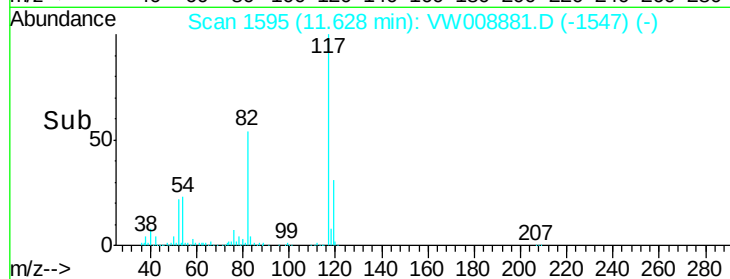
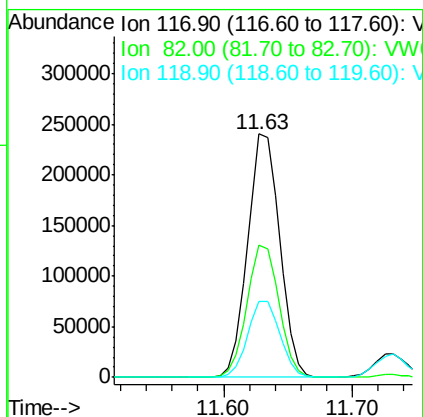
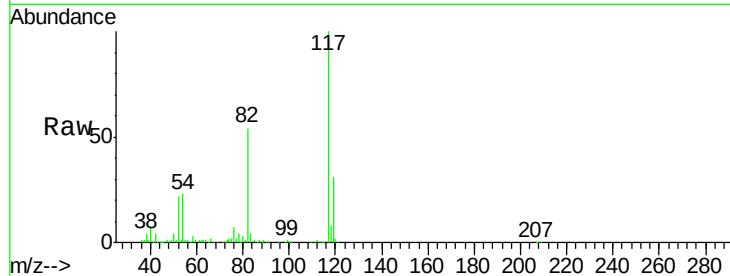
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW008881.D
Acq: 28 Feb 2019 12:24

Instrument :
MSVOA_W
ClientSampleId :
VW0228SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.5	42.2	63.4
119	31.1	25.9	38.9

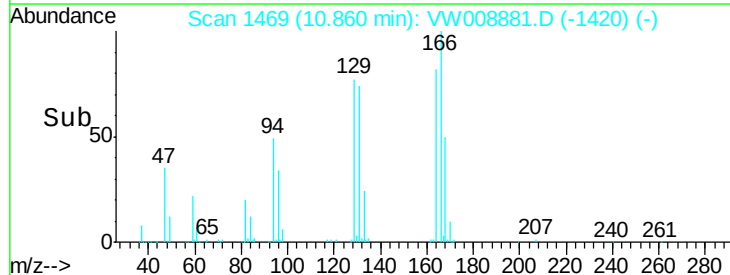
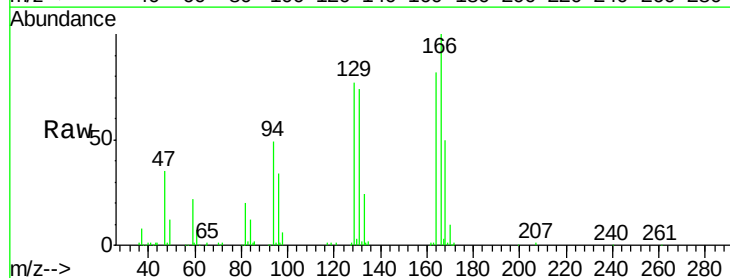
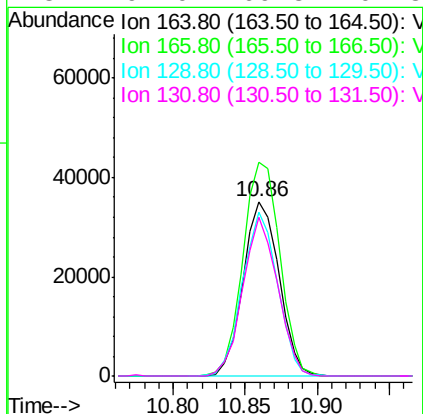
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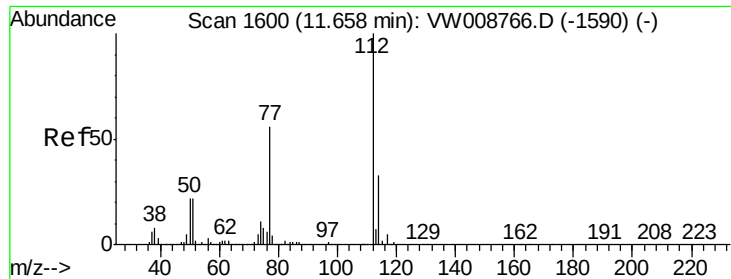
MMDadoda
3/1/2019 2:57:00 PM



#64
Tetrachloroethene
Concen: 20.436 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW008881.D
Acq: 28 Feb 2019 12:24

Tgt Ion	Ratio	Lower	Upper
164	100		
166	122.5	99.5	149.3
129	94.1	71.1	106.7
131	91.0	69.8	104.8





#65

Chlorobenzene

Concen: 20.609 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW008881.D

Acq: 28 Feb 2019 12:24

Instrument :

MSVOA_W

ClientSampleId :

VW0228SBS01

Tot Ion:112 Resp: 179058

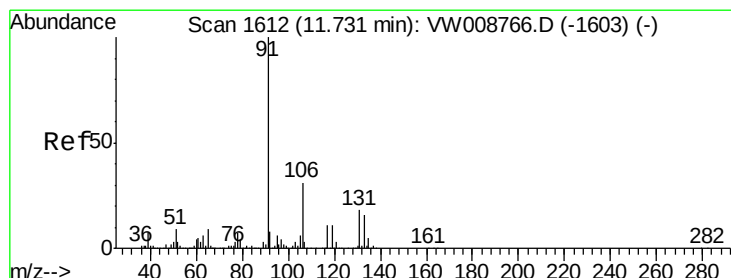
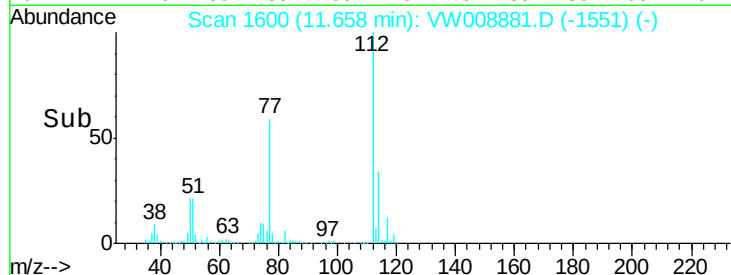
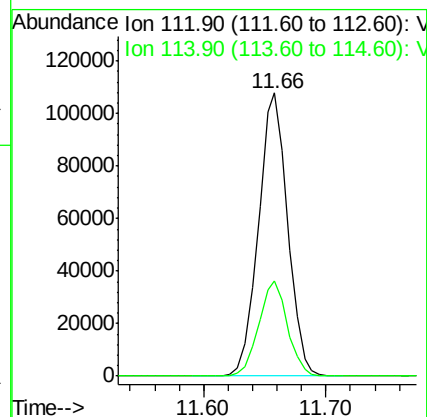
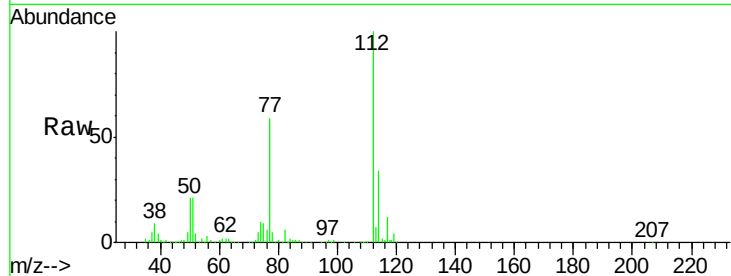
Ion Ratio Lower Upper

112 100

114 33.7 26.6 40.0

Manual Integrations
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#66

1,1,1,2-Tetrachloroethane

Concen: 20.847 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW008881.D

Acq: 28 Feb 2019 12:24

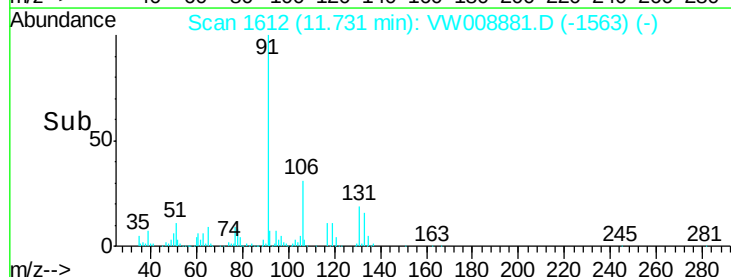
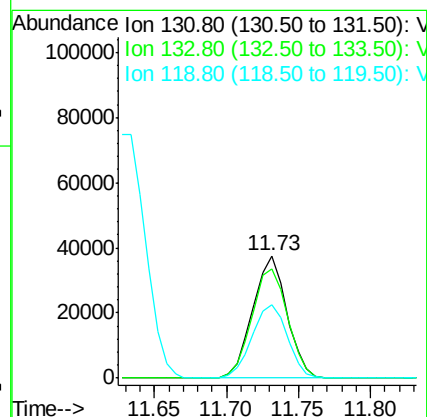
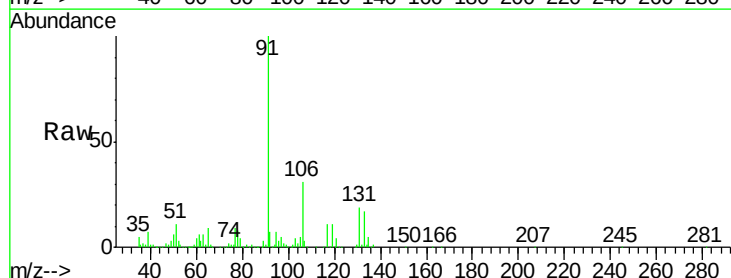
Tgt Ion:131 Resp: 61244

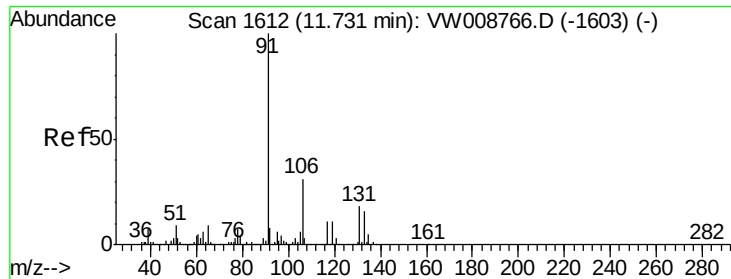
Ion Ratio Lower Upper

131 100

133 95.0 46.7 140.0

119 62.6 30.8 92.4





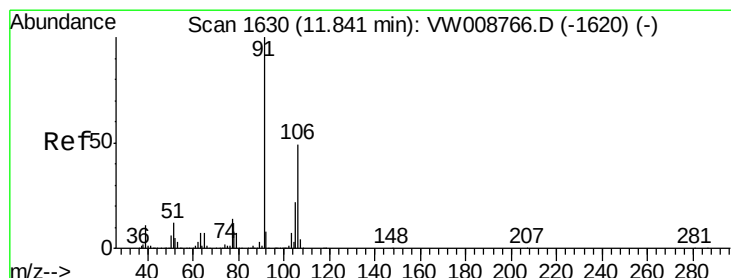
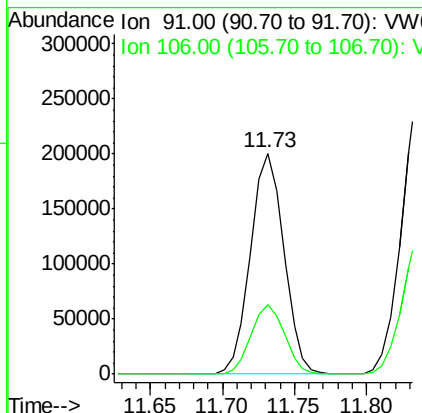
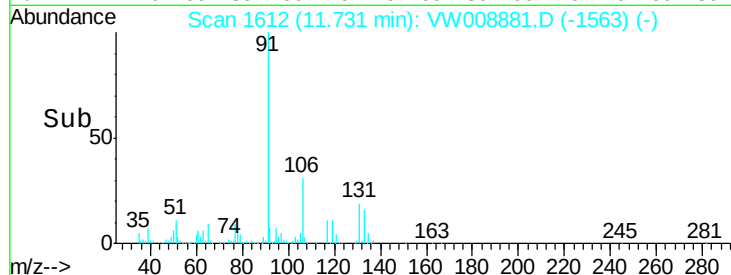
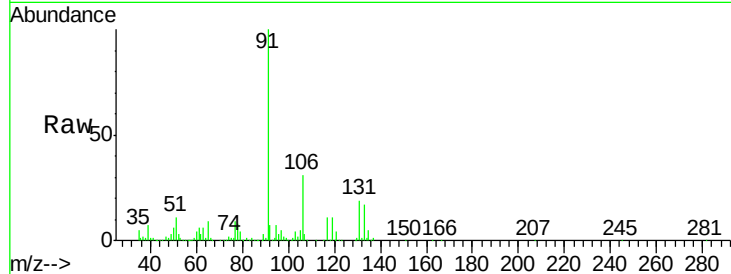
#67
Ethyl Benzene
Concen: 20.711 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW008881.D
Acq: 28 Feb 2019 12:24

Instrument :
MSVOA_W
ClientSampleId :
VW0228SBS01

Tot Ion: 91 Resp: 321679
Ion Ratio Lower Upper
91 100
106 31.4 25.0 37.6

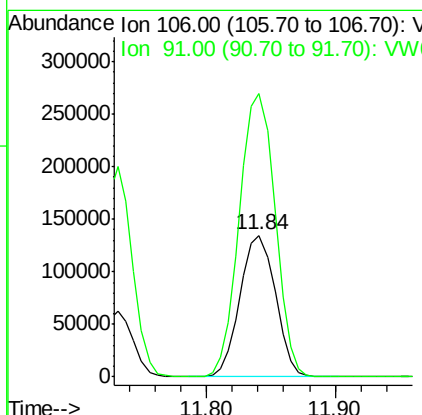
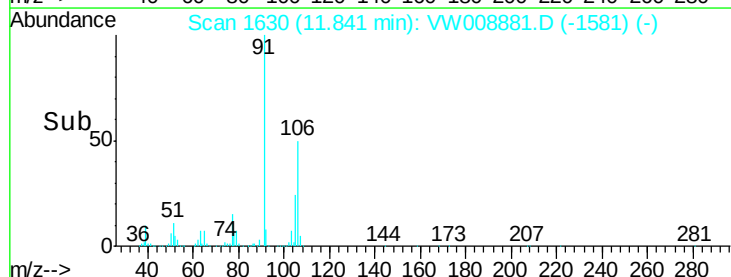
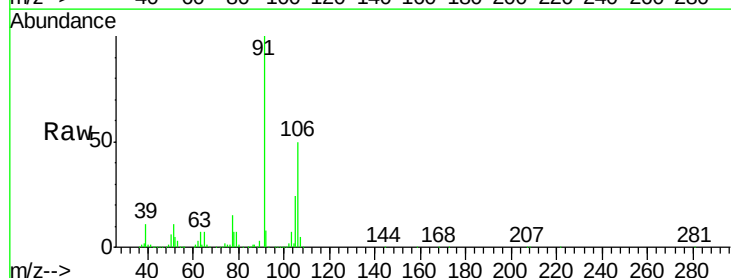
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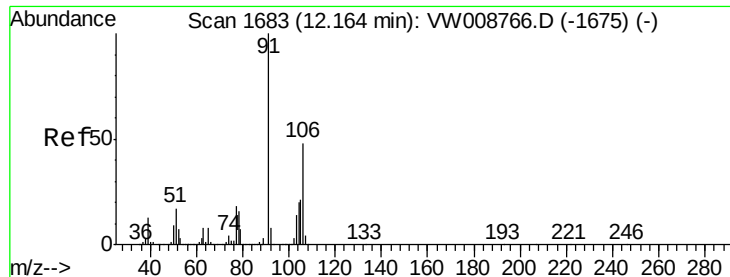
MMDadoda
3/1/2019 2:57:00 PM



#68
m/p-Xylenes
Concen: 41.540 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW008881.D
Acq: 28 Feb 2019 12:24

Tgt Ion: 106 Resp: 257793
Ion Ratio Lower Upper
106 100
91 201.8 161.5 242.3





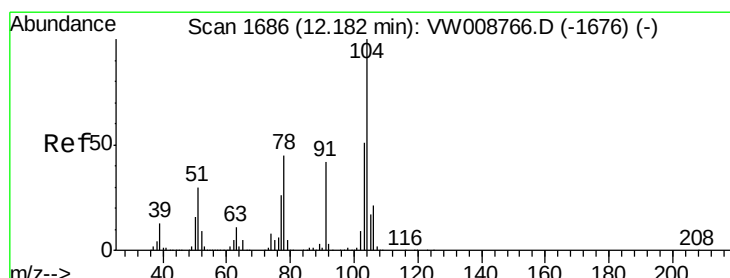
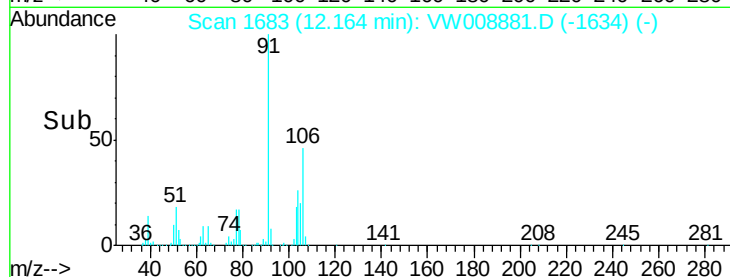
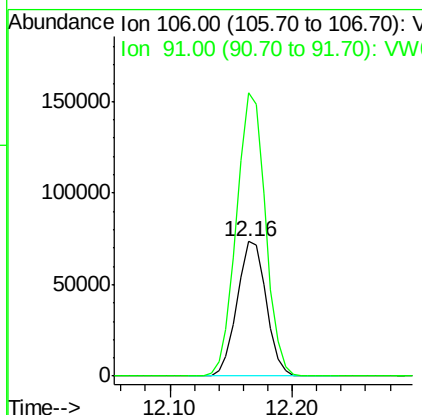
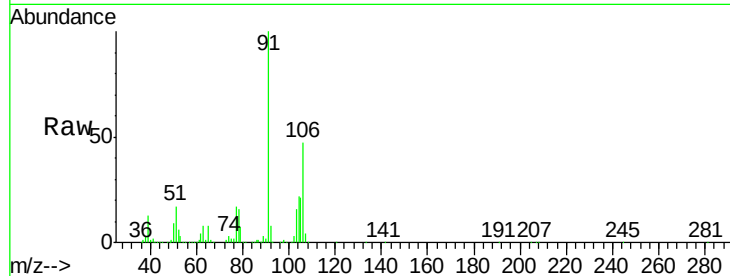
#69
o-Xylene
Concen: 20.887 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW008881.D
Acq: 28 Feb 2019 12:24

Instrument :
MSVOA_W
ClientSampleId :
VW0228SBSD01

Tot Ion	Ratio	Lower	Upper
106	100		
91	208.7	106.2	318.6

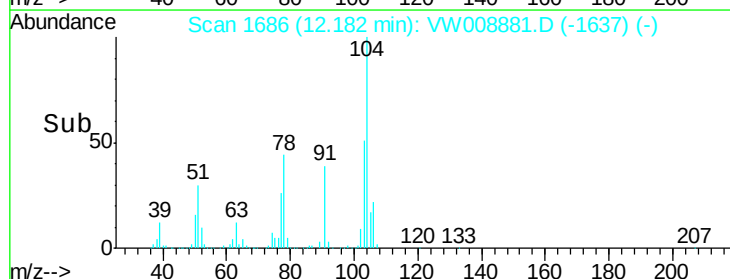
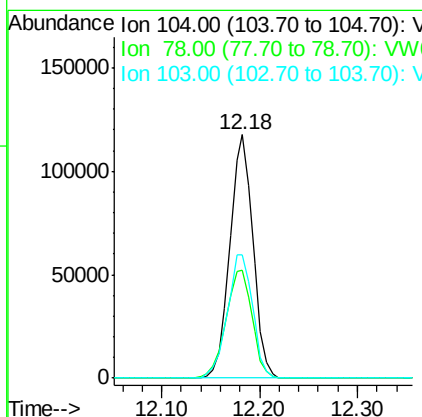
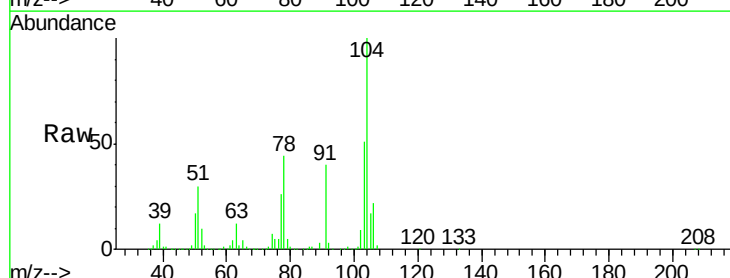
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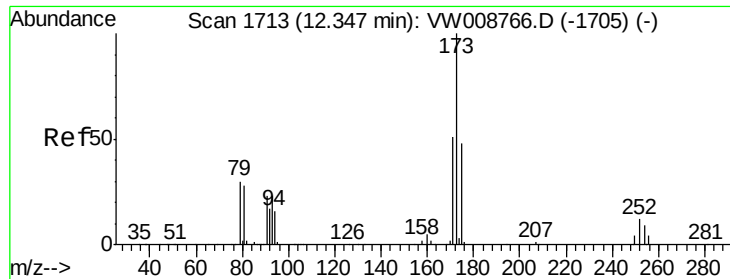
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#70
Styrene
Concen: 20.538 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW008881.D
Acq: 28 Feb 2019 12:24

Tgt Ion	Ratio	Lower	Upper
104	100		
78	50.3	40.8	61.2
103	55.6	44.2	66.2





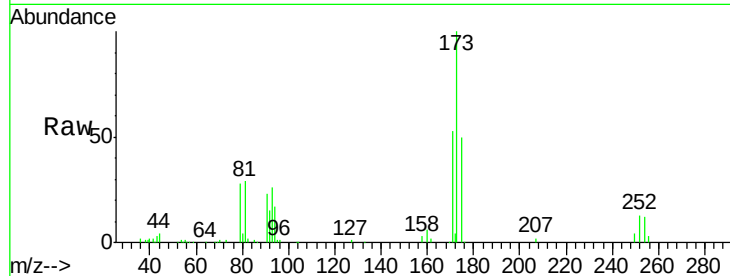
#71
Bromoform
Concen: 19.381 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. 0.00 min
Lab File: VW008881.D
Acq: 28 Feb 2019 12:24

Instrument :
MSVOA_W
ClientSampleId :
VW0228SBS01

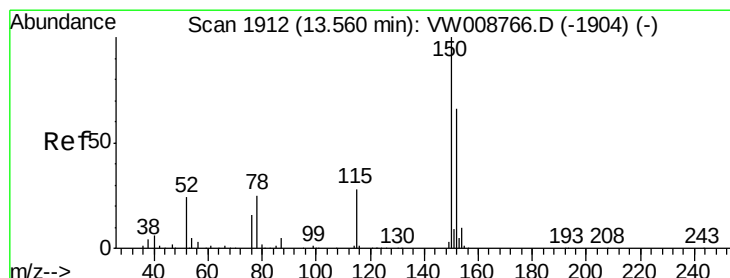
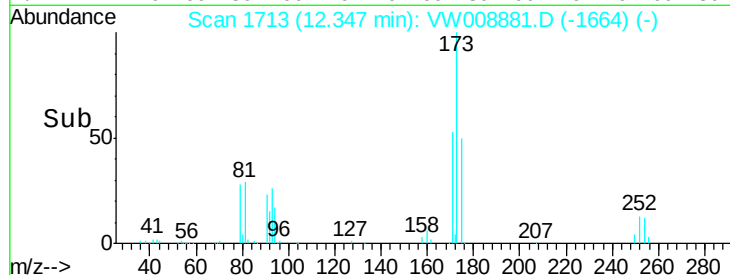
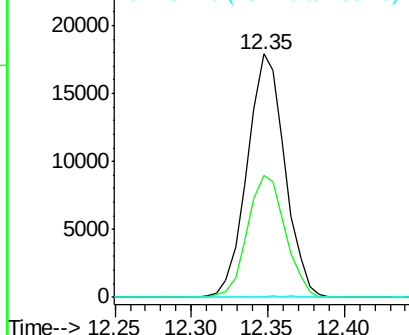
Tot Ion	Ratio	Lower	Upper
173	100		
175	50.6	24.2	72.6
254	0.3	0.2	0.4

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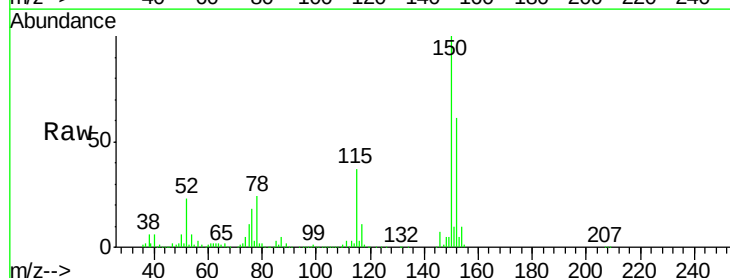


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

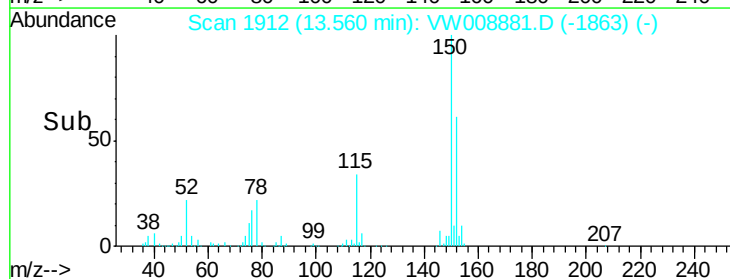
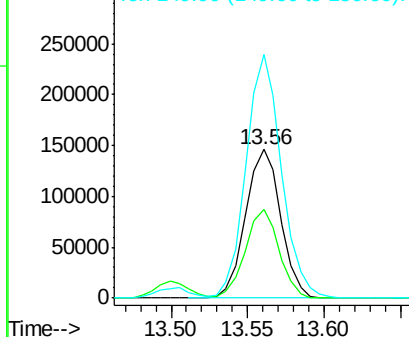


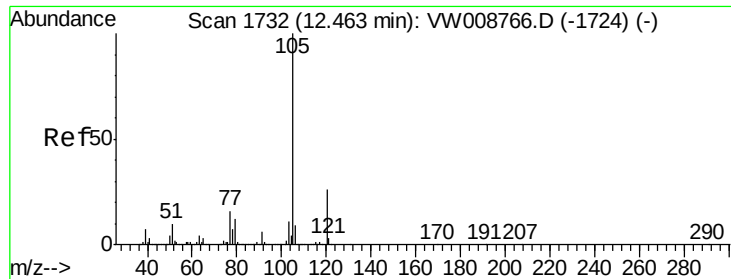
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW008881.D
Acq: 28 Feb 2019 12:24

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.6	28.6	85.8
150	165.6	0.0	348.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





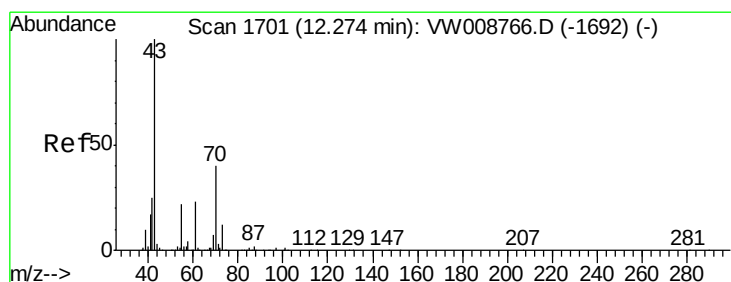
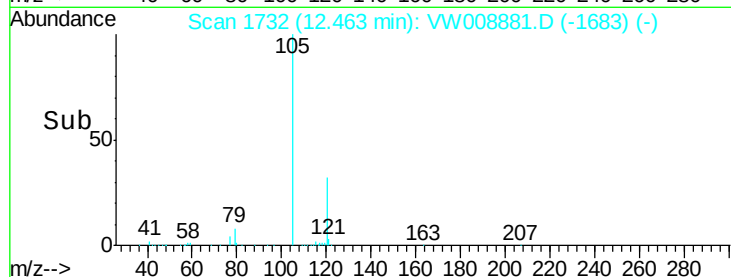
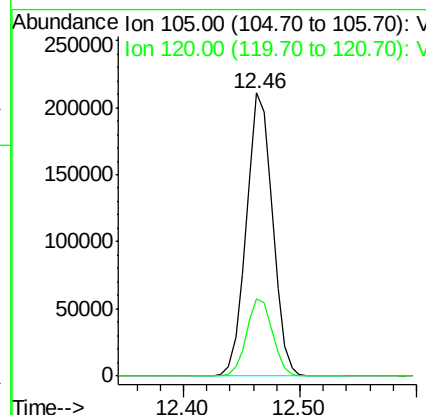
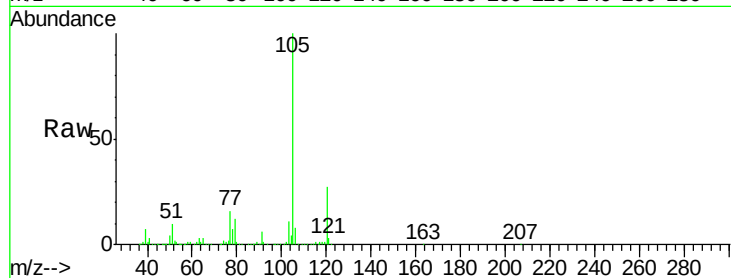
#73
Isopropylbenzene
Concen: 20.855 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. 0.00 min
Lab File: VW008881.D
Acq: 28 Feb 2019 12:24

Instrument :
MSVOA_W
ClientSampleId :
VW0228SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	27.1	13.3	39.9

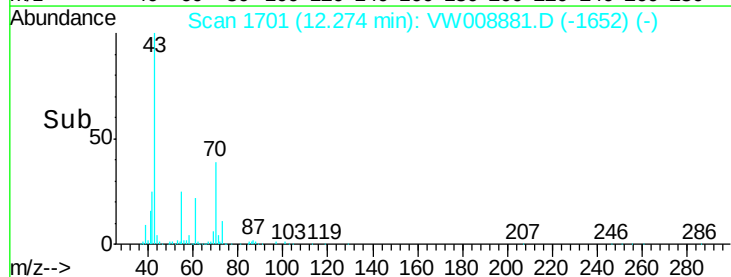
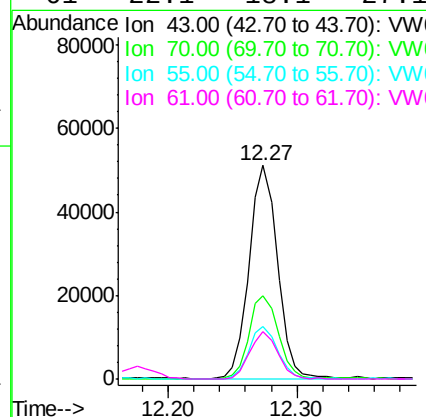
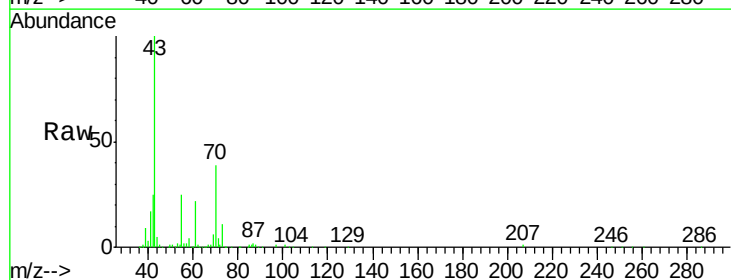
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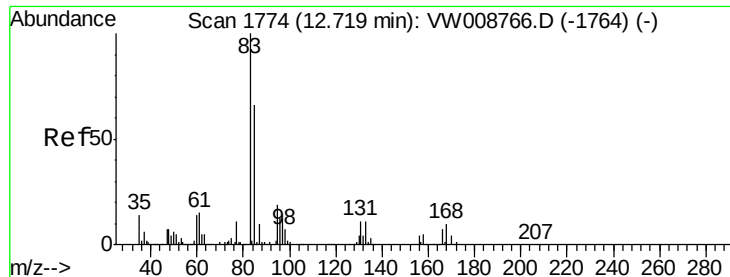
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3/1/2019 2:57:00 PM



#74
N-ethyl acetate
Concen: 19.390 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. 0.00 min
Lab File: VW008881.D
Acq: 28 Feb 2019 12:24

Tgt Ion	Ratio	Lower	Upper
43	100		
70	40.6	31.0	46.6
55	24.8	18.7	28.1
61	22.1	18.1	27.1





#75

1,1,2,2-Tetrachloroethane

Concen: 19.480 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.01 min

Lab File: VW008881.D

Acq: 28 Feb 2019 12:24

Instrument :

MSVOA_W

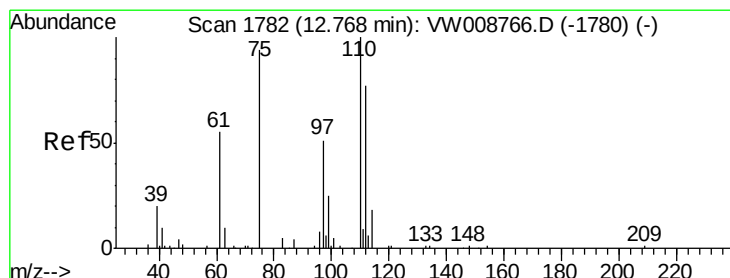
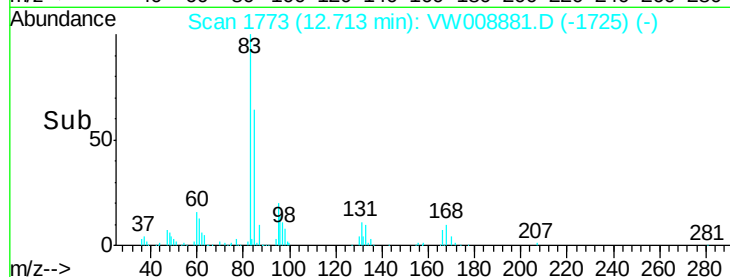
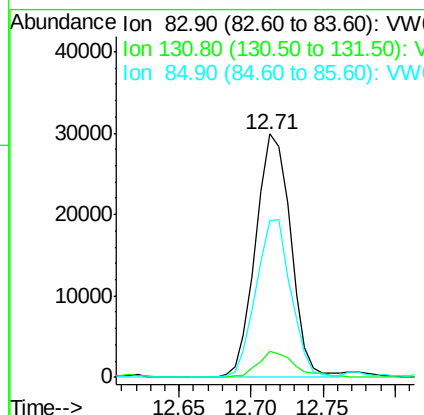
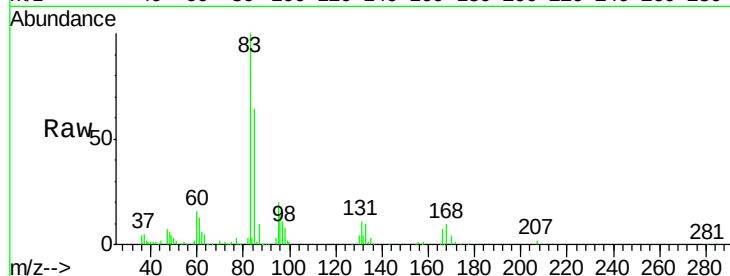
ClientSampleId :

VW0228SBS01

Tot Ion:	83	Resp:	50657
Ion Ratio	Lower	Upper	
83	100		
131	11.0	5.5	16.7
85	64.1	33.0	98.9

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3/1/2019 2:57:00 PM



#76

1,2,3-Trichloropropane

Concen: 19.511 ug/l m

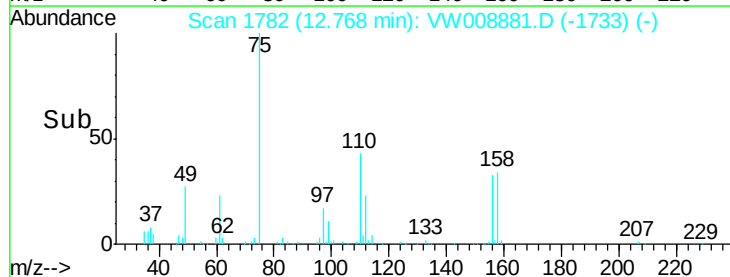
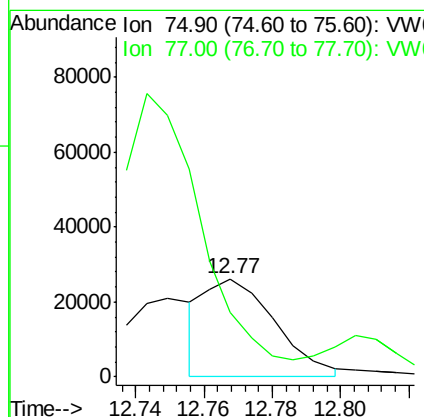
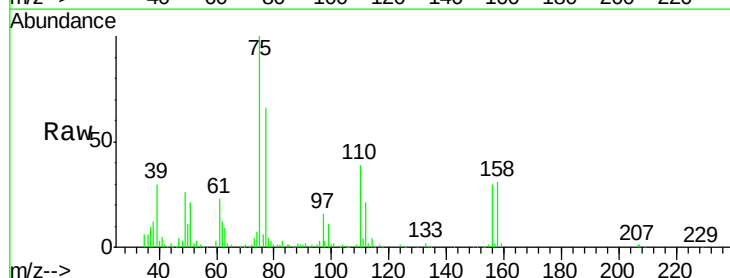
RT: 12.77 min Scan# 1782

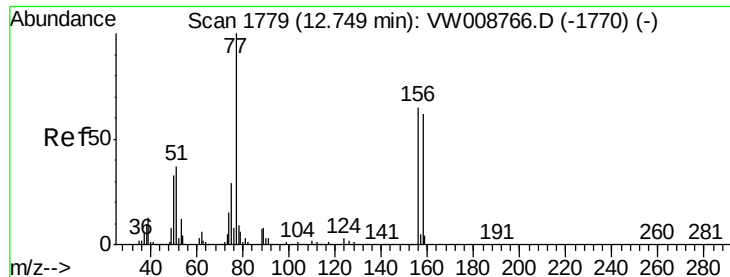
Delta R.T. 0.00 min

Lab File: VW008881.D

Acq: 28 Feb 2019 12:24

Tgt Ion:	75	Resp:	37397
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.976 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW008881.D

Acq: 28 Feb 2019 12:24

Instrument :

MSVOA_W

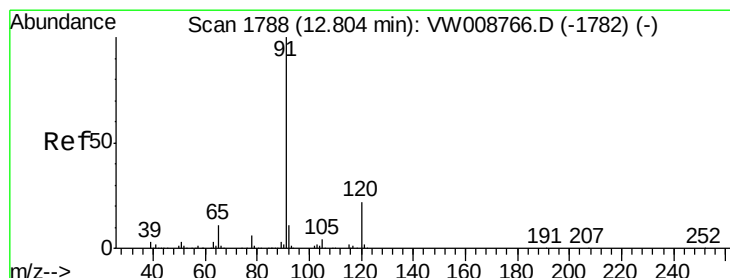
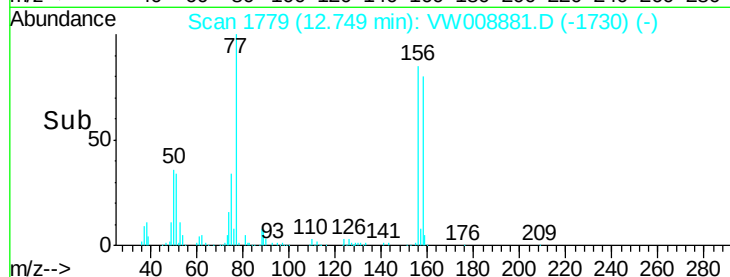
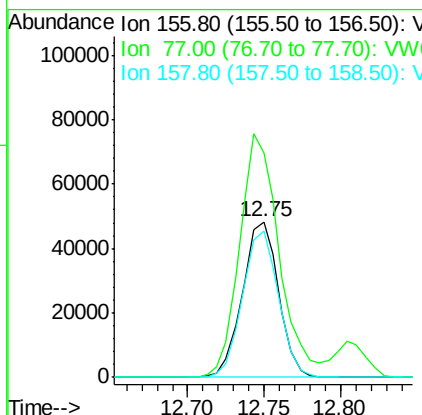
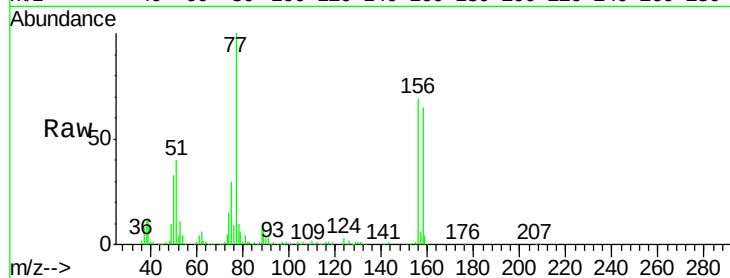
ClientSampleId :

VW0228SBS01

Tot Ion:	156	Resp:	78889
Ion	Ratio	Lower	Upper
156	100		
77	171.9	89.1	267.4
158	94.6	49.2	147.6

Manual Integrations
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3/1/2019 2:57:00 PM



#78

n-propylbenzene

Concen: 20.793 ug/l

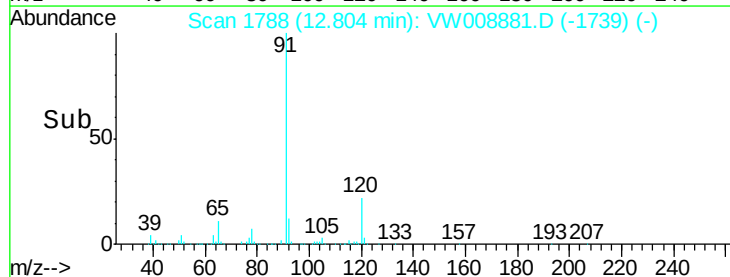
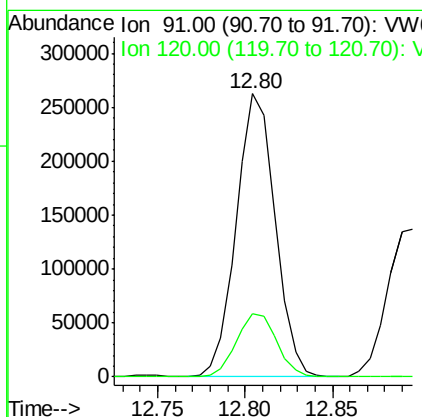
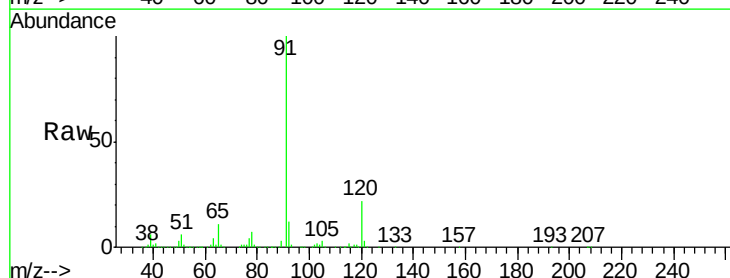
RT: 12.80 min Scan# 1788

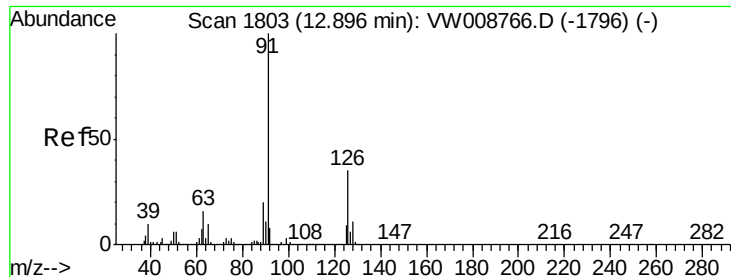
Delta R.T. 0.00 min

Lab File: VW008881.D

Acq: 28 Feb 2019 12:24

Tgt Ion:	91	Resp:	404780
Ion	Ratio	Lower	Upper
91	100		
120	23.2	11.5	34.4





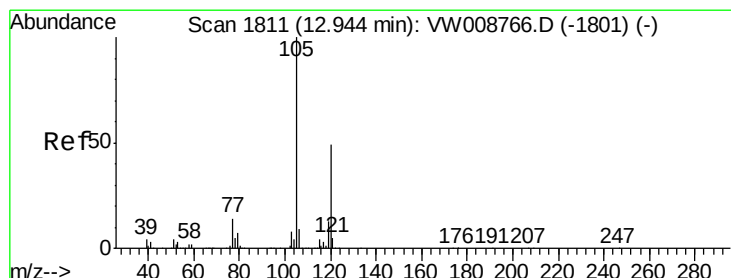
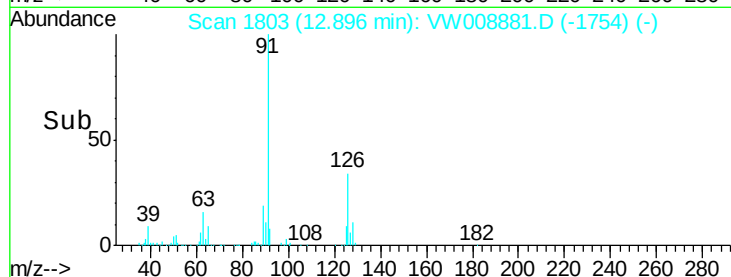
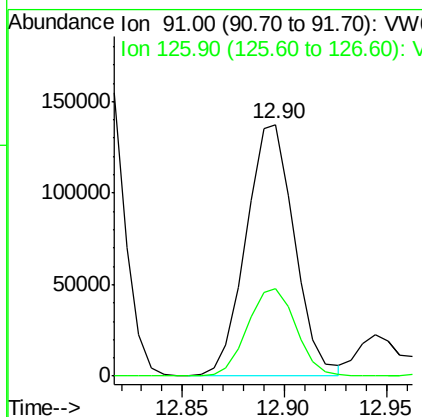
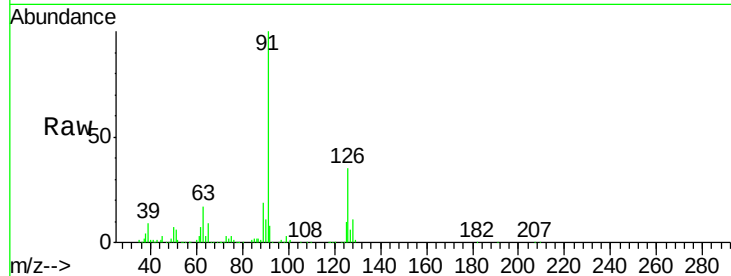
#79
 2-Chlorotoluene
 Concen: 20.510 ug/l
 RT: 12.90 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VW008881.D
 Acq: 28 Feb 2019 12:24

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0228SBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
126	34.9	17.0	51.0

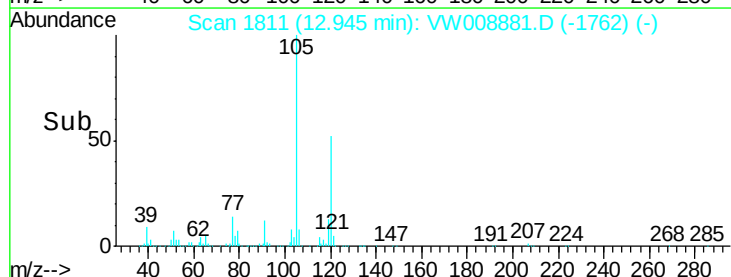
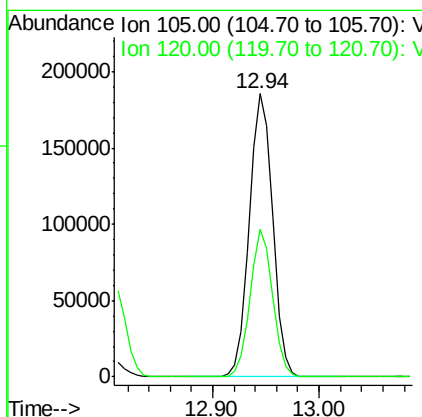
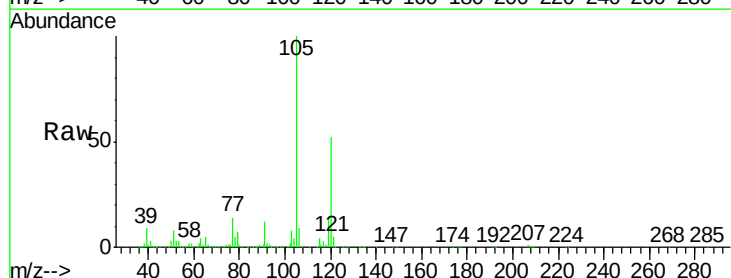
Manual Integrations
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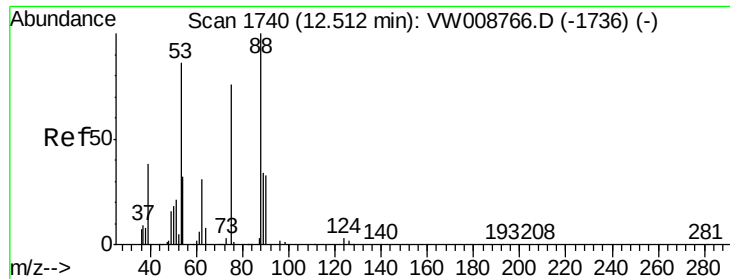
MMDadoda
 3/1/2019 2:57:00 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 20.815 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. 0.00 min
 Lab File: VW008881.D
 Acq: 28 Feb 2019 12:24

Tgt Ion	Ratio	Lower	Upper
105	100		
120	50.1	24.8	74.4





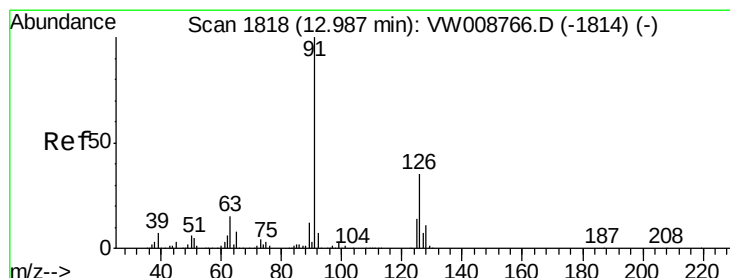
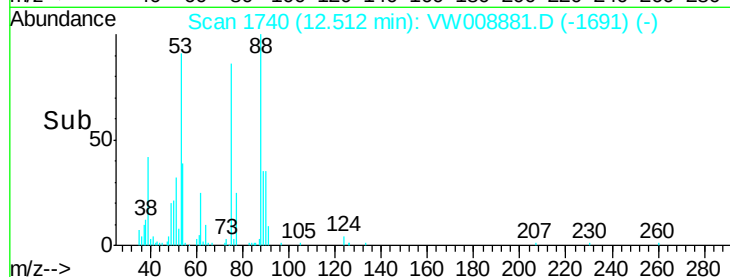
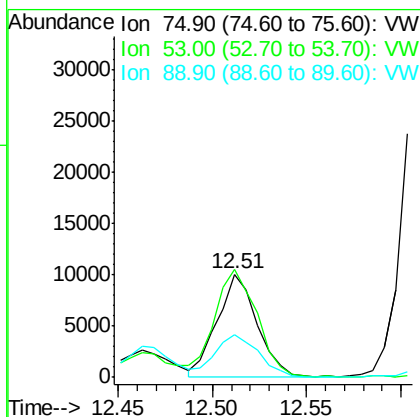
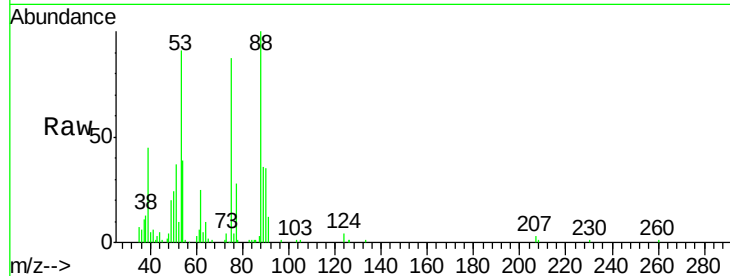
#81
trans-1,4-Dichloro-2-butene
Concen: 18.517 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW008881.D
Acq: 28 Feb 2019 12:24

Instrument :
MSVOA_W
ClientSampleId :
VW0228SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	110.9	88.2	132.2
89	46.0	39.5	59.3

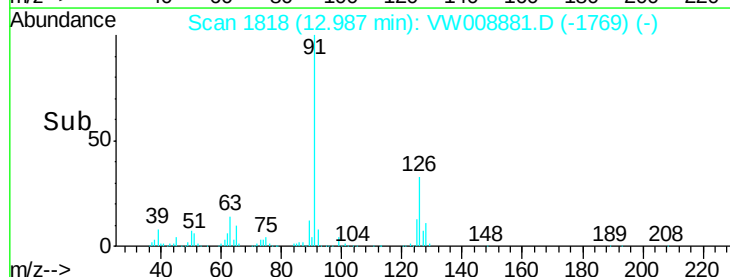
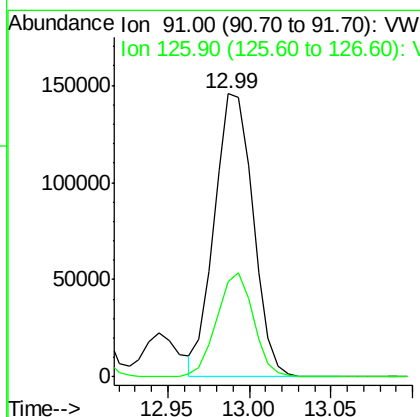
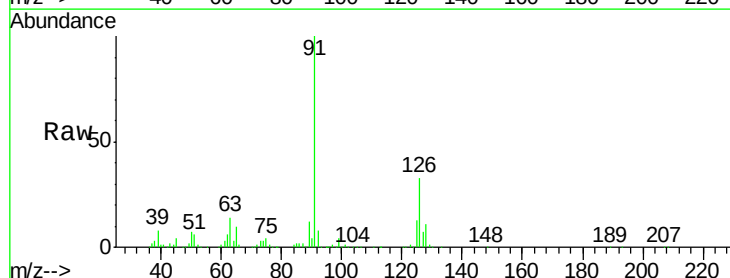
Manual Integrations
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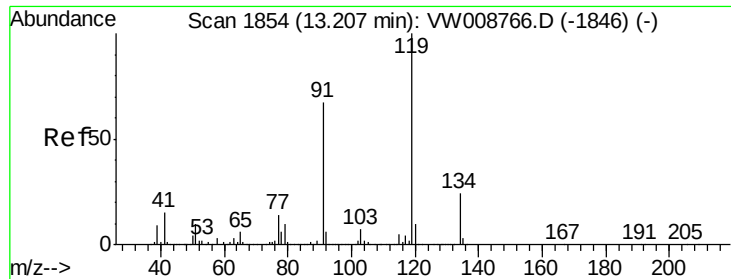
MMDadoda
3/1/2019 2:57:00 PM



#82
4-Chlorotoluene
Concen: 20.672 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. 0.00 min
Lab File: VW008881.D
Acq: 28 Feb 2019 12:24

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.9	17.2	51.6





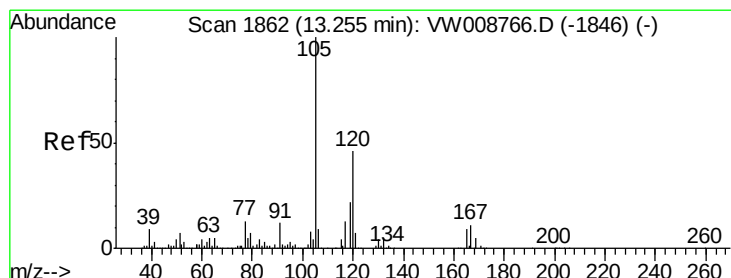
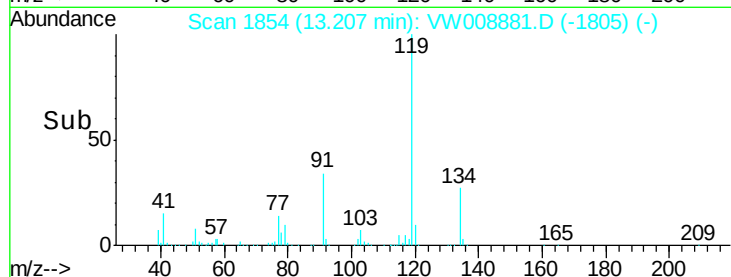
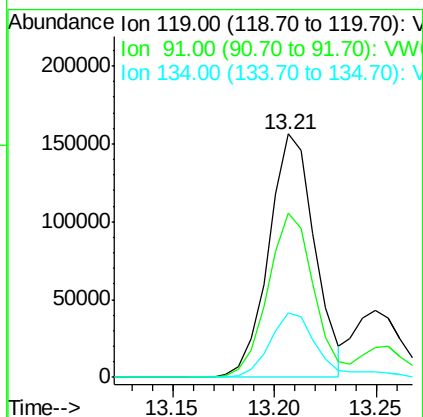
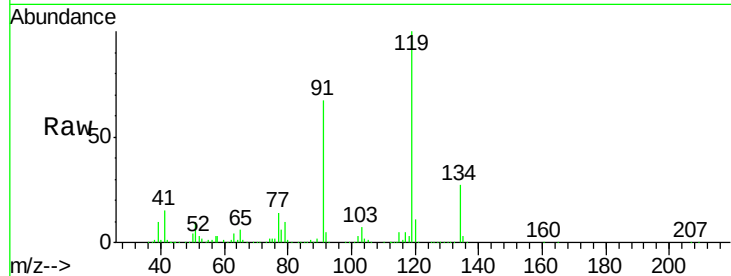
#83
 tert-Butylbenzene
 Concen: 20.460 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VW008881.D
 Acq: 28 Feb 2019 12:24

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0228SBSD01

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.0	33.6	100.8
134	28.4	13.7	41.1

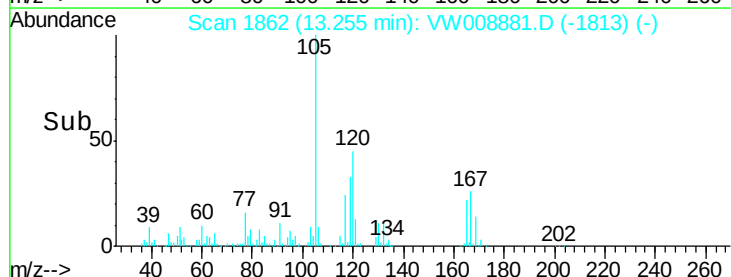
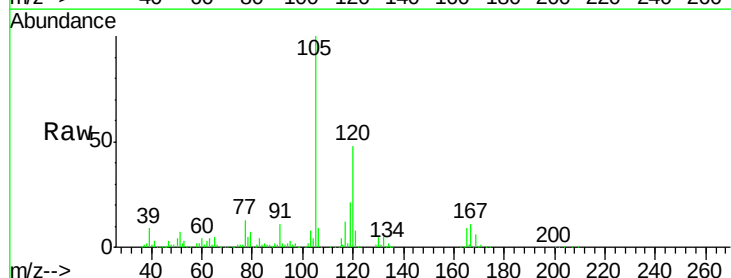
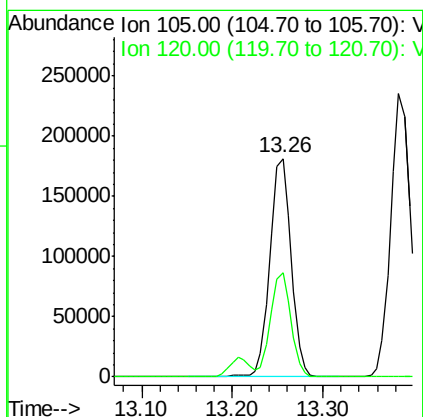
Manual Integrations
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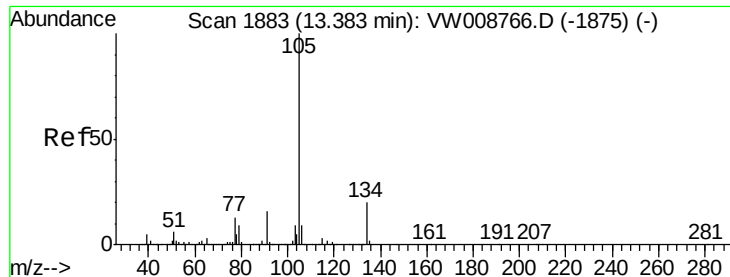
MMDadoda
 3/1/2019 2:57:00 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 20.568 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VW008881.D
 Acq: 28 Feb 2019 12:24

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.0	22.8	68.4





#85

sec-Butylbenzene

Concen: 20.836 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW008881.D

Acq: 28 Feb 2019 12:24

Instrument :

MSVOA_W

ClientSampleId :

VW0228SBS01

Tot Ion:105 Resp: 358279

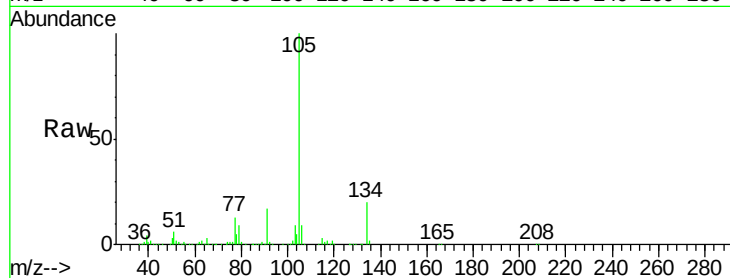
Ion Ratio Lower Upper

105 100

134 21.1 10.4 31.1

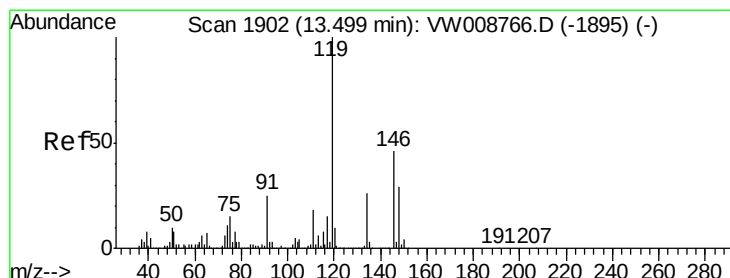
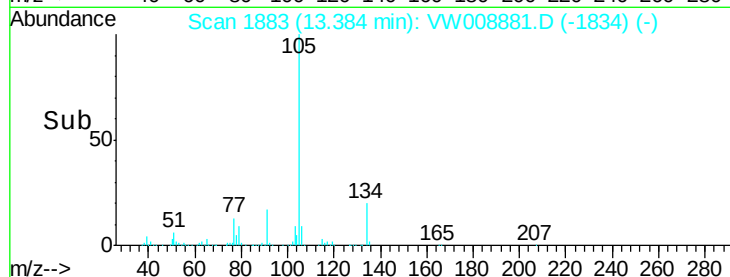
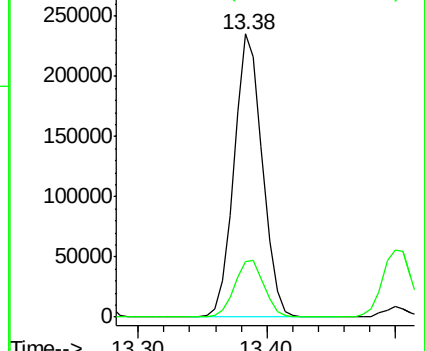
Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.104 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW008881.D

Acq: 28 Feb 2019 12:24

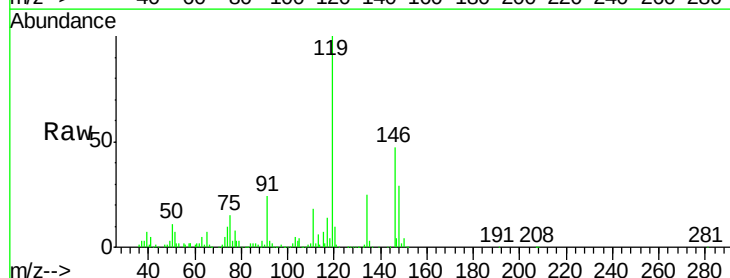
Tgt Ion:119 Resp: 316915

Ion Ratio Lower Upper

119 100

134 27.8 13.1 39.3

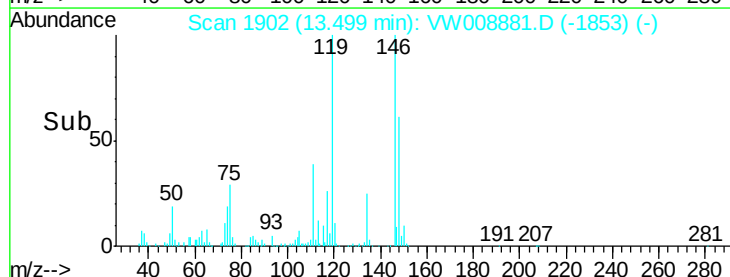
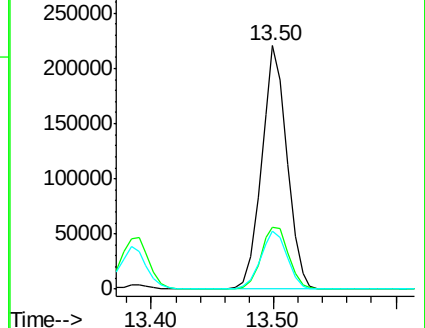
91 25.1 12.1 36.3

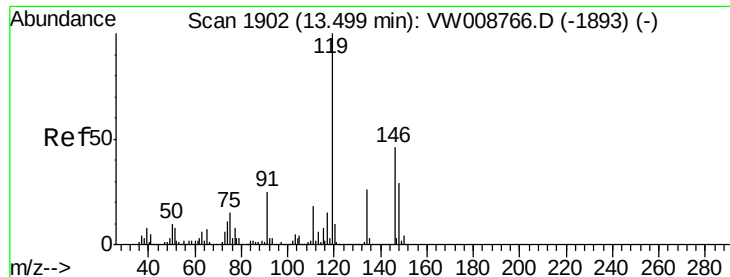


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





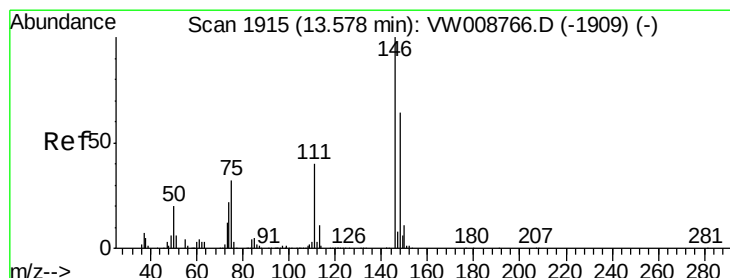
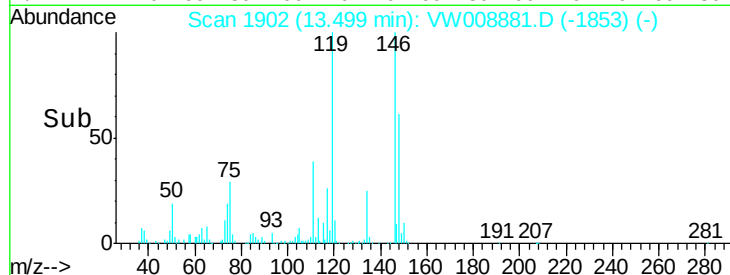
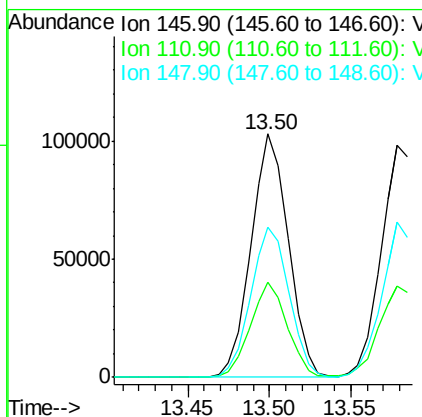
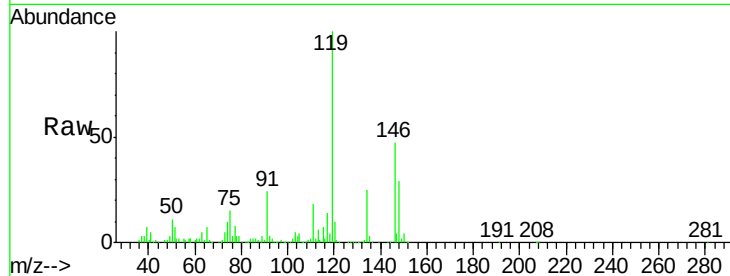
#87
 1,3-Dichlorobenzene
 Concen: 20.940 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW008881.D
 Acq: 28 Feb 2019 12:24

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0228SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.9	59.7
148	63.3	31.6	94.8

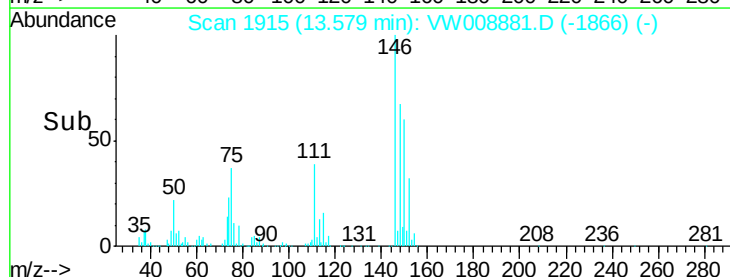
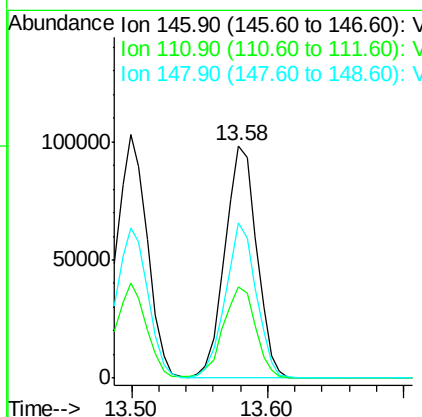
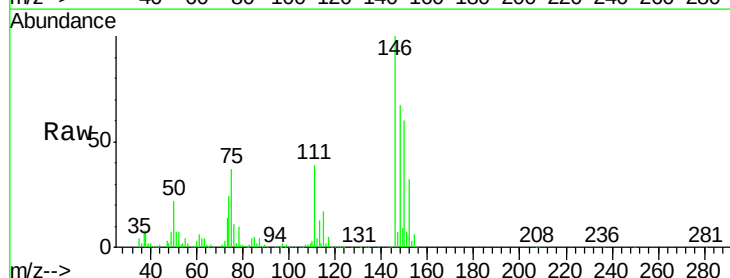
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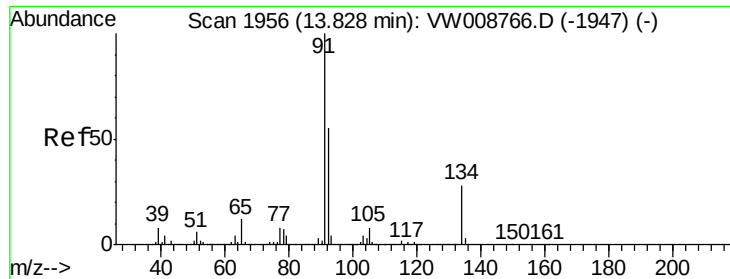
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#88
 1,4-Dichlorobenzene
 Concen: 20.813 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW008881.D
 Acq: 28 Feb 2019 12:24

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.3	19.3	57.9
148	64.8	31.9	95.9





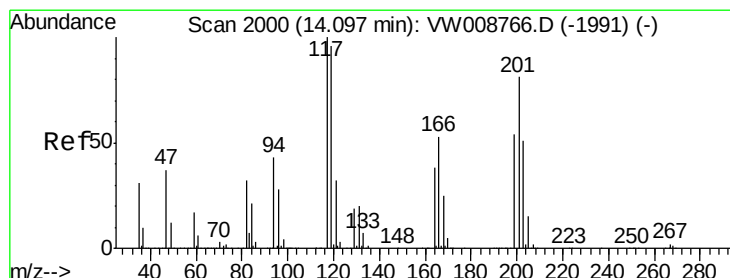
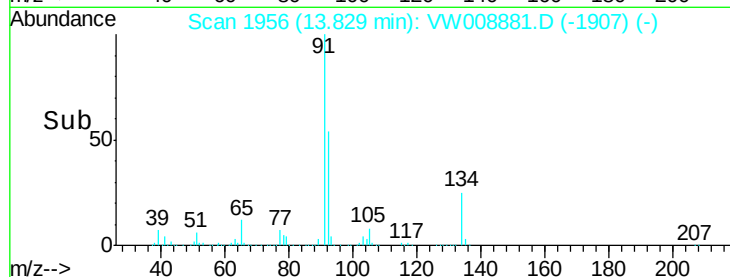
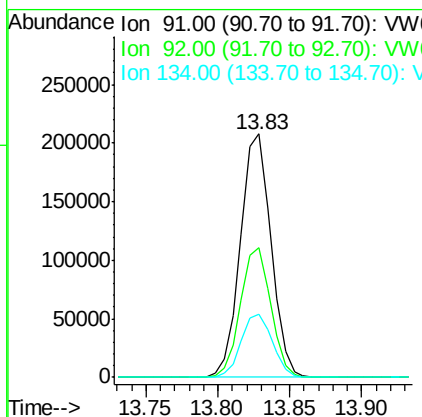
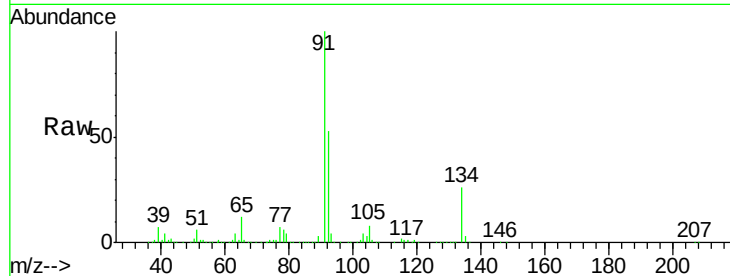
#89
n-Butylbenzene
Concen: 20.744 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VW008881.D
Acq: 28 Feb 2019 12:24

Instrument :
MSVOA_W
ClientSampleId :
VW0228SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.0	26.8	80.4
134	26.5	13.5	40.4

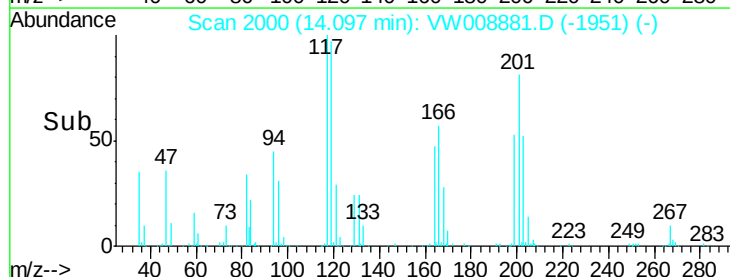
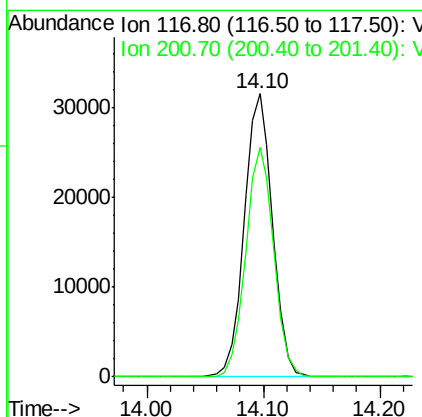
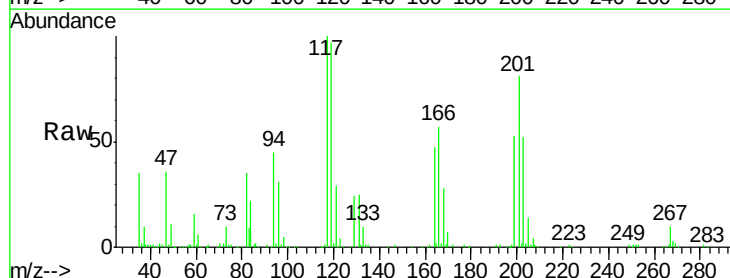
Manual Integrations
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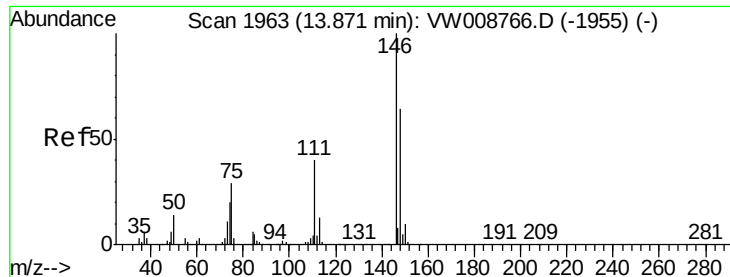
MMDadoda
3/1/2019 2:57:00 PM



#90
Hexachloroethane
Concen: 20.620 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW008881.D
Acq: 28 Feb 2019 12:24

Tgt Ion	Ratio	Lower	Upper
117	100		
201	80.4	40.3	120.8





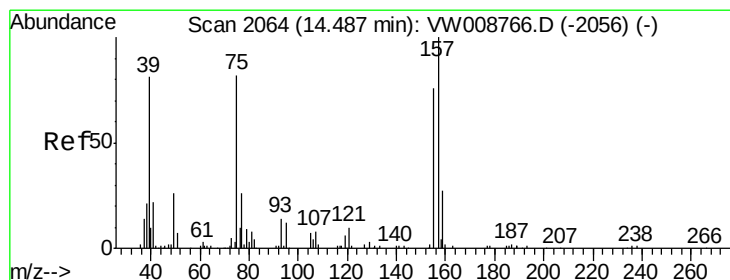
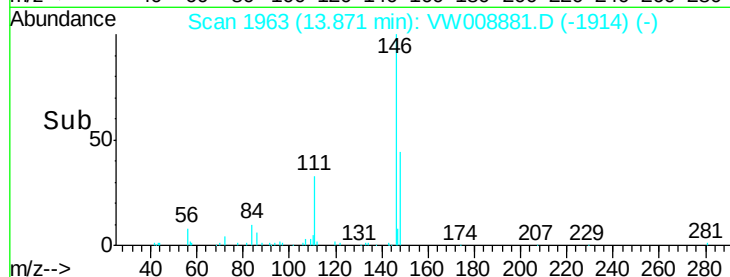
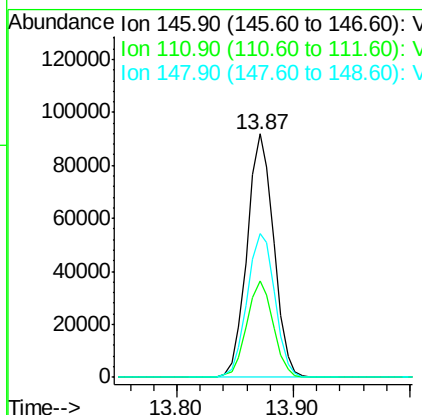
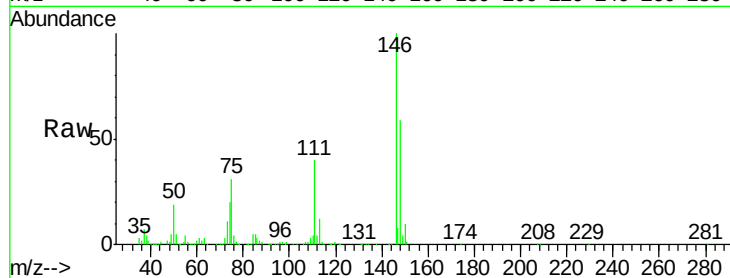
#91
 1,2-Dichlorobenzene
 Concen: 21.143 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW008881.D
 Acq: 28 Feb 2019 12:24

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0228SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.4	20.3	60.8
148	61.7	32.5	97.5

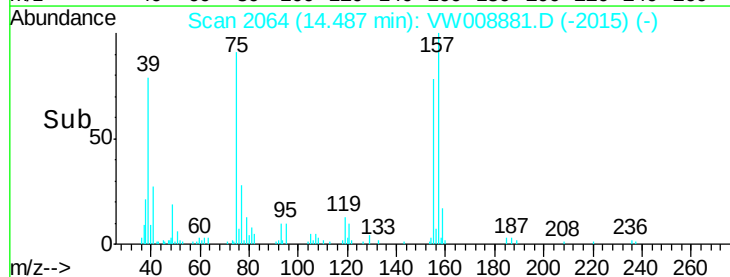
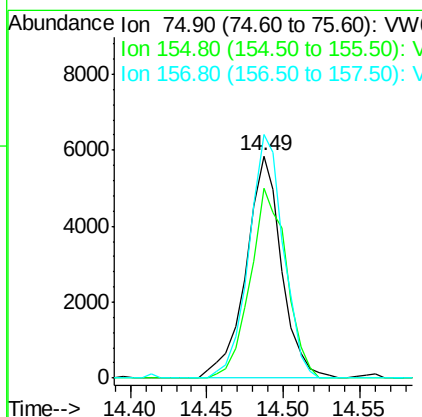
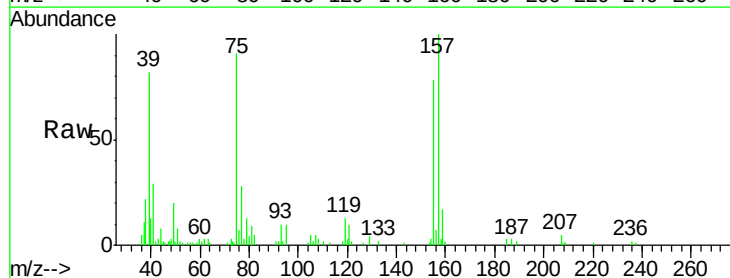
Manual Integrations
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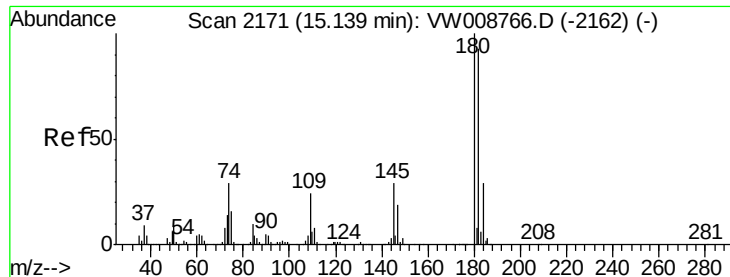
MMDadoda
 3/1/2019 2:57:00 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.100 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW008881.D
 Acq: 28 Feb 2019 12:24

Tgt Ion	Ratio	Lower	Upper
75	100		
155	87.2	41.8	125.4
157	106.3	56.6	169.9





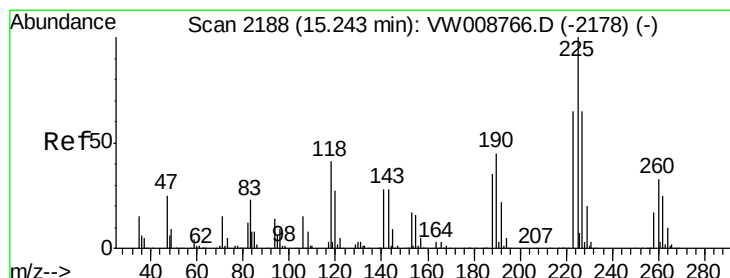
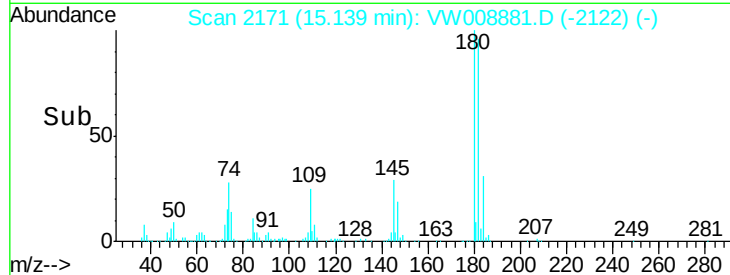
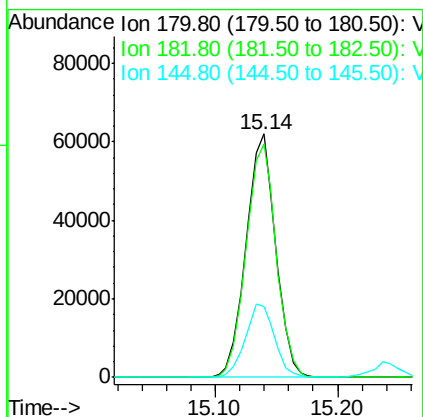
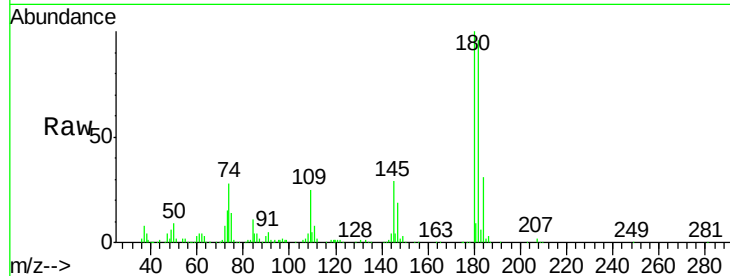
#93
 1,2,4-Trichlorobenzene
 Concen: 20.813 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW008881.D
 Acq: 28 Feb 2019 12:24

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0228SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	104263		
182	97.4	47.2	141.6	
145	29.7	14.4	43.0	

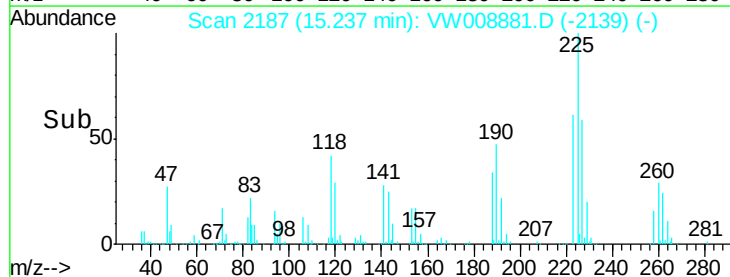
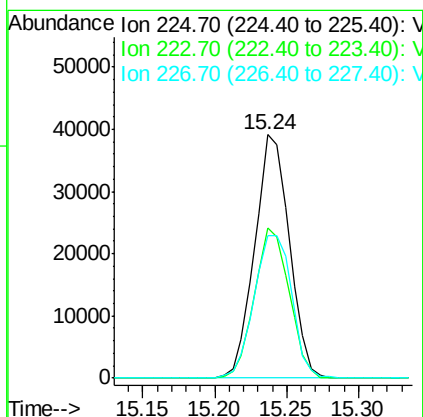
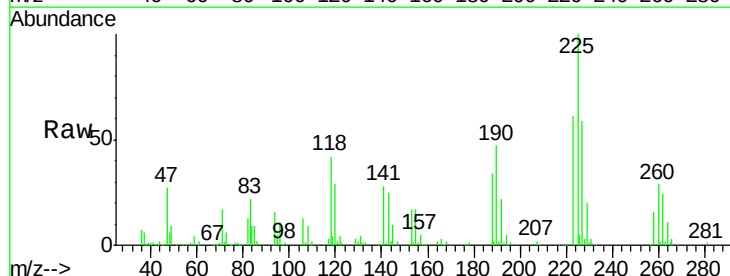
Manual Integrations
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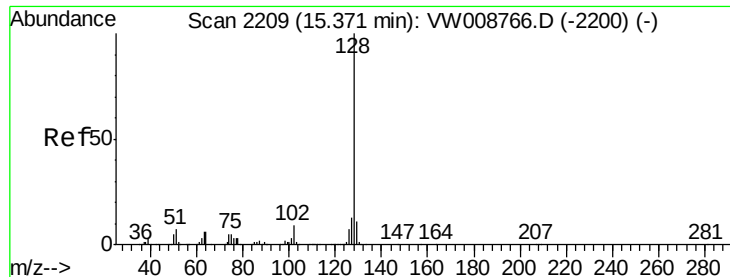
MMDadoda
 3/1/2019 2:57:00 PM



#94
 Hexachlorobutadiene
 Concen: 22.010 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.01 min
 Lab File: VW008881.D
 Acq: 28 Feb 2019 12:24

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	64946		
223	62.1	31.5	94.5	
227	63.9	31.6	94.8	





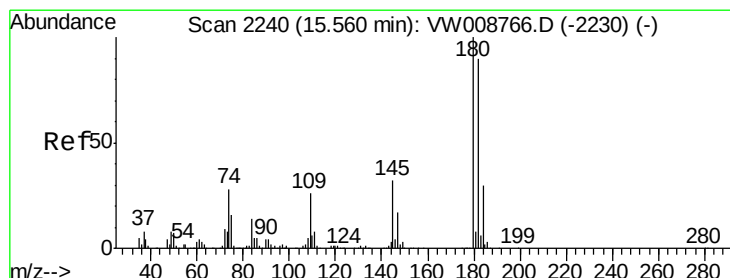
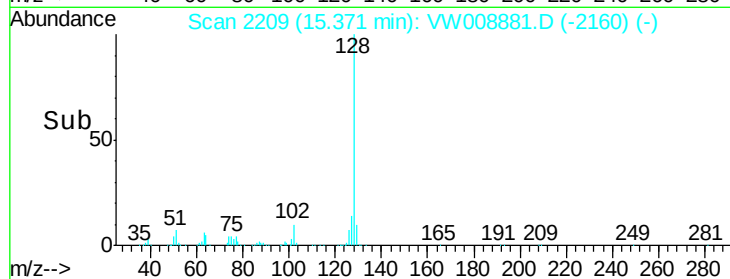
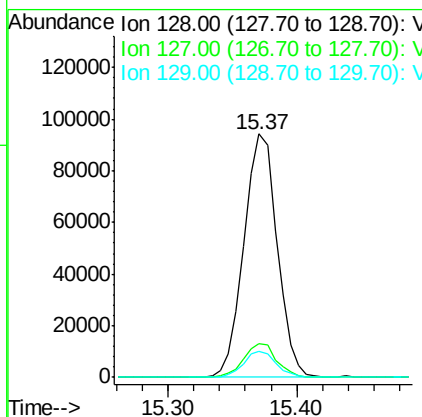
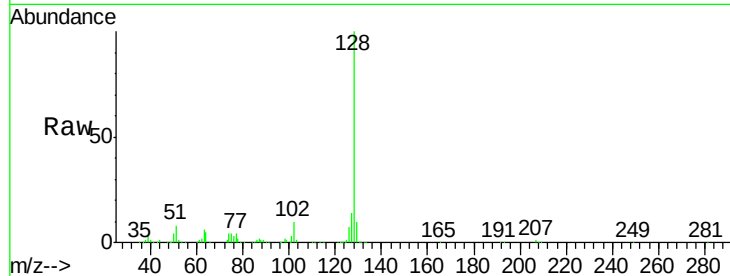
#95
Naphthalene
Concen: 19.749 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW008881.D
Acq: 28 Feb 2019 12:24

Instrument :
MSVOA_W
ClientSampleId :
VW0228SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.6	10.8	16.2
129	10.4	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
3/1/2019 2:57:00 PM



#96
1,2,3-Trichlorobenzene
Concen: 21.696 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW008881.D
Acq: 28 Feb 2019 12:24

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.5	46.9	140.8
145	31.0	15.9	47.6

