

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW022819\
 Data File : VW008906.D
 Acq On : 01 Mar 2019 01:20
 Operator : SY/VA
 Sample : VW0228SBS02
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0228SBS02

Manual Integrations
 APPROVED

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 3/1/2019 2:57:24 PM

Quant Time: Mar 01 07:03:03 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	284824	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	424712	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	404555	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	217235	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	153632	57.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.02%	
35) Dibromofluoromethane	7.88	113	137150	53.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.56%	
50) Toluene-d8	10.32	98	515923	52.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.82%	
62) 4-Bromofluorobenzene	12.62	95	199310	51.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.42%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	52637	18.452	ug/l	98
3) Chloromethane	2.21	50	70167	20.206	ug/l	99
4) Vinyl Chloride	2.35	62	71855	19.544	ug/l	97
5) Bromomethane	2.74	94	67131	24.582	ug/l	98
6) Chloroethane	2.90	64	54545	20.892	ug/l	95
7) Trichlorofluoromethane	3.25	101	97067	20.874	ug/l	97
8) Diethyl Ether	3.68	74	32146	21.836	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	60023	21.256	ug/l	98
10) Methyl Iodide	4.27	142	60354	17.092	ug/l	100
11) Tert butyl alcohol	5.18	59	27110	113.991	ug/l #	92
12) 1,1-Dichloroethene	4.03	96	53099	21.292	ug/l	100
13) Acrolein	3.90	56	18792	88.765	ug/l	99
14) Allyl chloride	4.67	41	91244	21.199	ug/l	97
15) Acrylonitrile	5.37	53	74250	117.521	ug/l	99
16) Acetone	4.13	43	61144	98.746	ug/l	95
17) Carbon Disulfide	4.37	76	156245	18.883	ug/l	99
18) Methyl Acetate	4.67	43	33916	23.093	ug/l	96
19) Methyl tert-butyl Ether	5.42	73	158274	23.448	ug/l	97
20) Methylene Chloride	4.92	84	69911	19.837	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	63584	22.042	ug/l	97
22) Diisopropyl ether	6.31	45	198629	23.134	ug/l	97
23) Vinyl Acetate	6.26	43	614648	115.865	ug/l	99
24) 1,1-Dichloroethane	6.22	63	113146	22.741	ug/l	99
25) 2-Butanone	7.17	43	98194	113.428	ug/l	98
26) 2,2-Dichloropropane	7.16	77	84104	18.619	ug/l	98
27) cis-1,2-Dichloroethene	7.16	96	70411	22.818	ug/l	95
28) Bromochloromethane	7.51	49	49904	23.969	ug/l	97
29) Tetrahydrofuran	7.52	42	63447	115.007	ug/l	99
30) Chloroform	7.67	83	117883	23.096	ug/l	98
31) Cyclohexane	7.95	56	104319	20.714	ug/l	95
32) 1,1,1-Trichloroethane	7.87	97	105213	22.667	ug/l	100
36) 1,1-Dichloropropene	8.08	75	90022	21.774	ug/l	98
37) Ethyl Acetate	7.25	43	44644	23.221	ug/l	98
38) Carbon Tetrachloride	8.06	117	91713	21.035	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	102869	19.948	ug/l	98
40) Benzene	8.32	78	251268	22.260	ug/l	100
41) Methacrylonitrile	7.48	41	21573	19.090	ug/l #	90
42) 1,2-Dichloroethane	8.40	62	83131	23.248	ug/l	100
43) Isopropyl Acetate	8.42	43	86454	22.531	ug/l	100
44) Trichloroethene	9.09	130	70707	22.236	ug/l	95
45) 1,2-Dichloropropane	9.37	63	64350	23.069	ug/l	91
46) Dibromomethane	9.46	93	36317	23.407	ug/l	96
47) Bromodichloromethane	9.64	83	87297	23.125	ug/l	95
48) Methyl methacrylate	9.44	41	37339	20.318	ug/l	91
49) 1,4-Dioxane	9.46	88	9978	401.577	ug/l	92
51) 4-Methyl-2-Pentanone	10.21	43	219334	112.591	ug/l	99
52) Toluene	10.38	92	161054	21.023	ug/l	96
53) t-1,3-Dichloropropene	10.60	75	81547	21.194	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	97329	22.179	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	50103	23.811	ug/l	98
56) Ethyl methacrylate	10.65	69	59578	21.793	ug/l	100
57) 1,3-Dichloropropane	10.93	76	85164	22.923	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.93	63	166092	120.800	ug/l	100
59) 2-Hexanone	10.97	43	145153	104.675	ug/l	98
60) Dibromochloromethane	11.13	129	59139	23.042	ug/l	99
61) 1,2-Dibromoethane	11.24	107	47896	22.996	ug/l	99
64) Tetrachloroethene	10.86	164	68118	23.522	ug/l	96
65) Chlorobenzene	11.66	112	183679	21.592	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	62897	21.867	ug/l	98
67) Ethyl Benzene	11.73	91	322325	21.196	ug/l	100
68) m/p-Xylenes	11.84	106	254493	41.885	ug/l	98
69) o-Xylene	12.16	106	118541	20.786	ug/l	100
70) Styrene	12.18	104	194757	21.227	ug/l	100
71) Bromoform	12.35	173	33466	21.645	ug/l #	99
73) Isopropylbenzene	12.46	105	320780	21.540	ug/l	99
74) N-amyl acetate	12.27	43	78770	20.998	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	57174	23.496	ug/l	97
76) 1,2,3-Trichloropropane	12.77	75	40369m	22.508	ug/l	
77) Bromobenzene	12.75	156	78062	22.182	ug/l	98
78) n-propylbenzene	12.80	91	388072	21.303	ug/l	100
79) 2-Chlorotoluene	12.89	91	224587	21.714	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	269980	20.861	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	13997	18.972	ug/l	95
82) 4-Chlorotoluene	12.99	91	230887	21.184	ug/l	98
83) tert-Butylbenzene	13.21	119	235474	21.043	ug/l	100
84) 1,2,4-Trimethylbenzene	13.26	105	272741	20.359	ug/l	100
85) sec-Butylbenzene	13.38	105	340616	21.169	ug/l	100
86) p-Isopropyltoluene	13.50	119	298346	20.226	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	153722	21.053	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	155368	21.590	ug/l	100
89) n-Butylbenzene	13.83	91	270677	19.587	ug/l	100
90) Hexachloroethane	14.10	117	53142	22.007	ug/l	96
91) 1,2-Dichlorobenzene	13.87	146	139507	21.443	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	9236	20.982	ug/l	98

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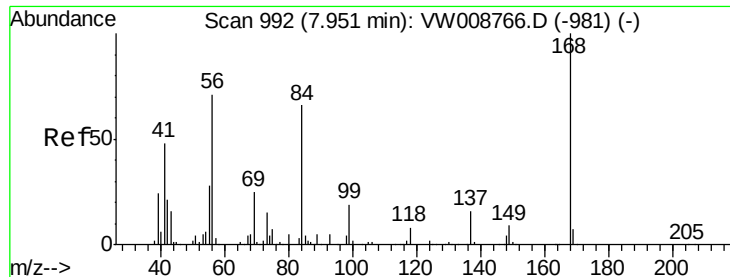
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	94232	20.103	ug/l	100
94) Hexachlorobutadiene	15.24	225	58764	21.283	ug/l	98
95) Naphthalene	15.37	128	160550	20.116	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	82059	20.247	ug/l	98

(#) = 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: VW008906.D

Acq: 01 Mar 2019 01:20

Instrument :

MSVOA_W

ClientSampleId :

VW0228SBSD02

Tot Ion:168 Resp: 284824

Ion Ratio Lower Upper

168 100

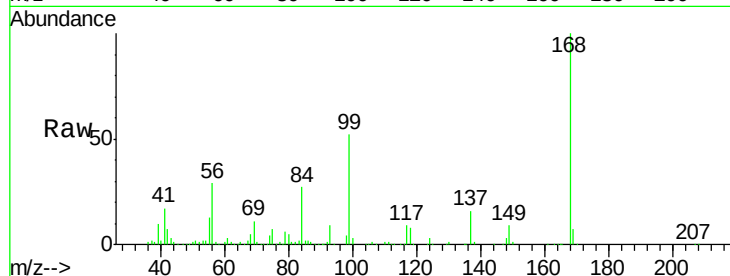
99 52.5 42.2 63.2

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Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

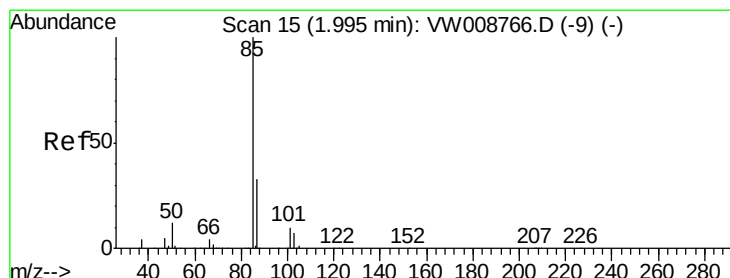
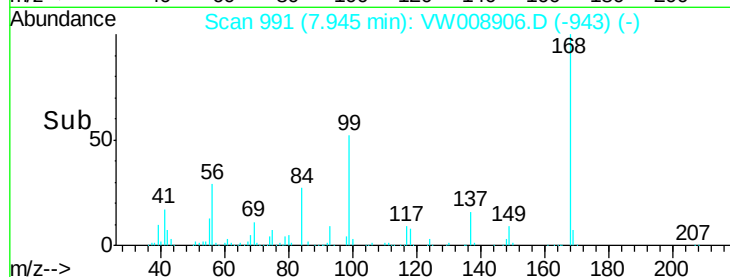
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 18.452 ug/l

RT: 2.00 min Scan# 15

Delta R.T. -0.00 min

Lab File: VW008906.D

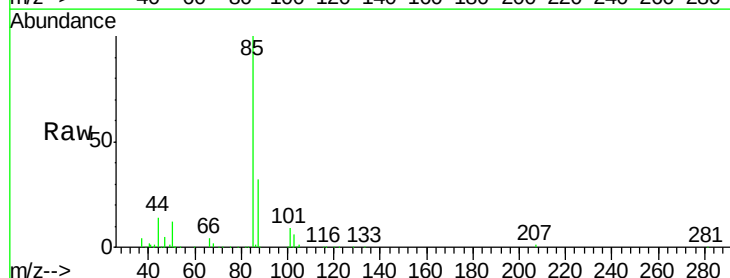
Acq: 01 Mar 2019 01:20

Tgt Ion: 85 Resp: 52637

Ion Ratio Lower Upper

85 100

87 31.5 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

40000

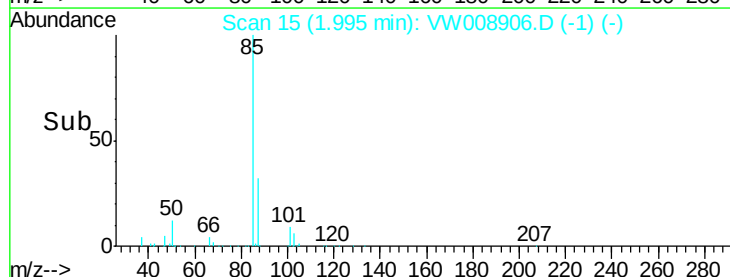
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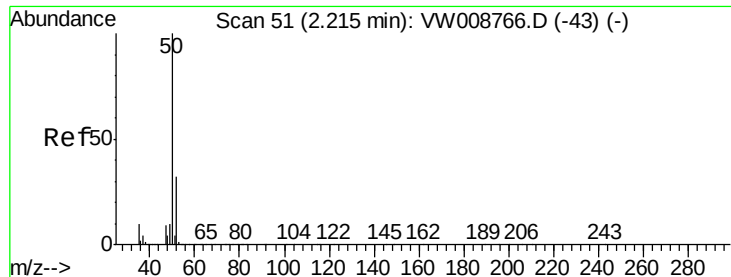
20000

10000

0

Time--> 1.90 1.95 2.00 2.05





#3

Chloromethane

Concen: 20.206 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW008906.D

Acq: 01 Mar 2019 01:20

Instrument :

MSVOA_W

ClientSampleId :

VW0228SBS02

Tot Ion: 50 Resp: 70167

Ion Ratio Lower Upper

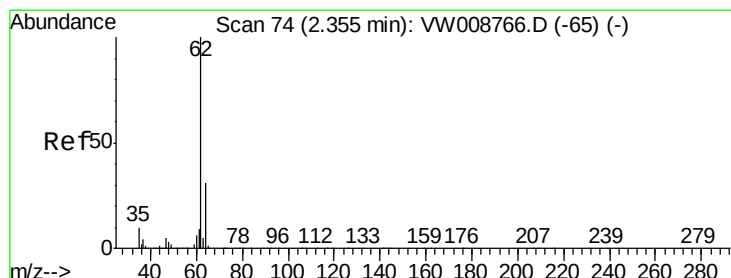
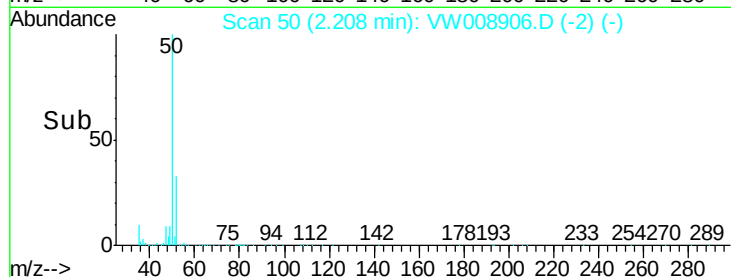
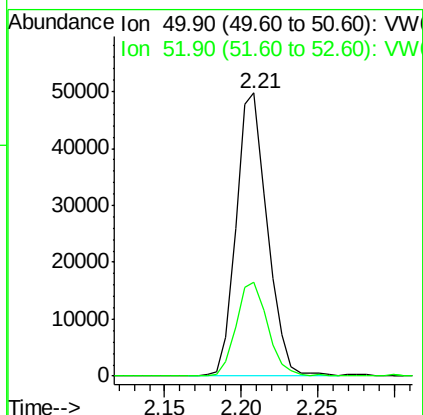
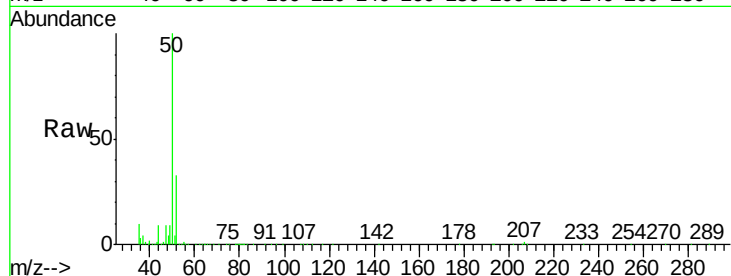
50 100

52 33.1 25.9 38.9

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#4

Vinyl Chloride

Concen: 19.544 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.01 min

Lab File: VW008906.D

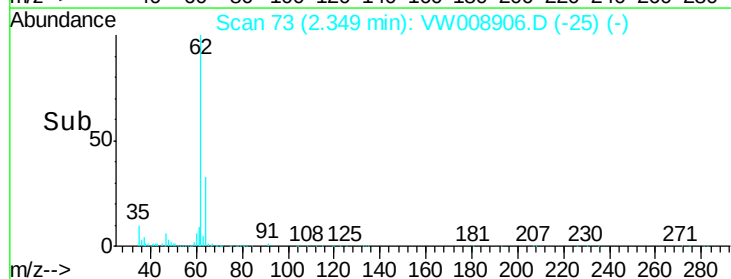
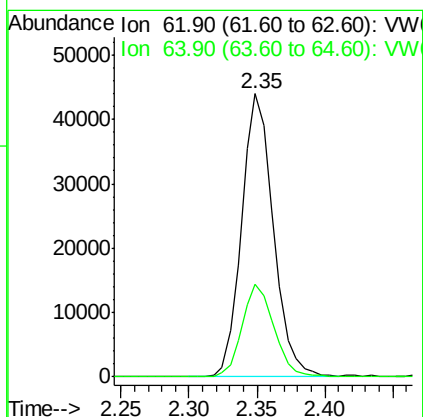
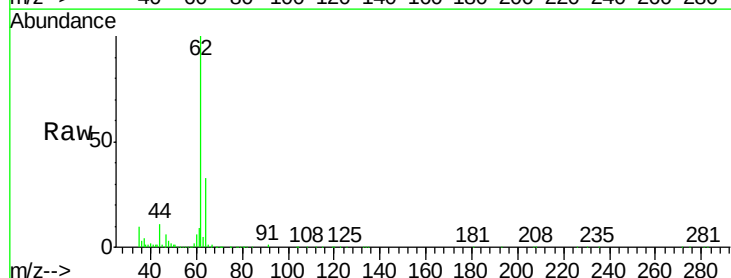
Acq: 01 Mar 2019 01:20

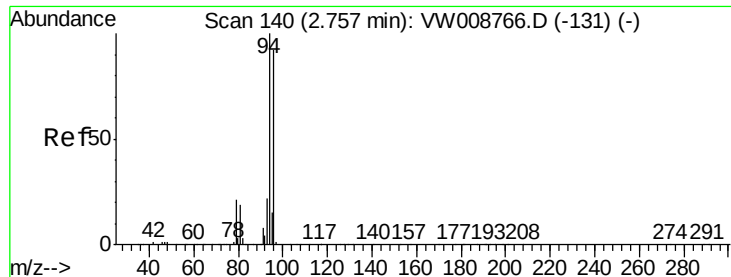
Tgt Ion: 62 Resp: 71855

Ion Ratio Lower Upper

62 100

64 32.8 24.9 37.3





#5

Bromomethane

Concen: 24.582 ug/l

RT: 2.74 min Scan# 138

Delta R.T. -0.01 min

Lab File: VW008906.D

Acq: 01 Mar 2019 01:20

Instrument :

MSVOA_W

ClientSampleId :

VW0228SBS02

Tot Ion: 94 Resp: 67131

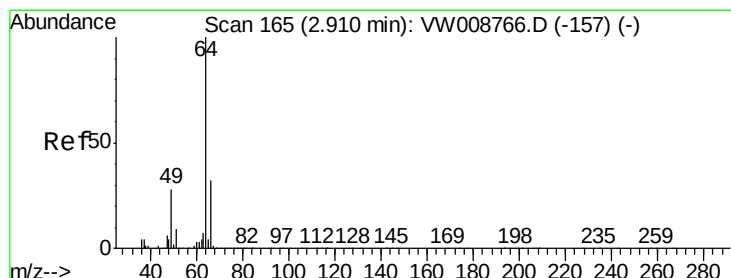
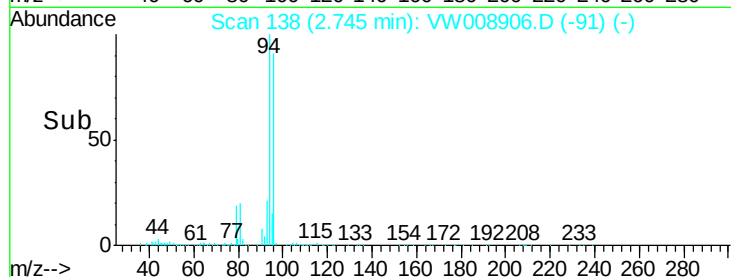
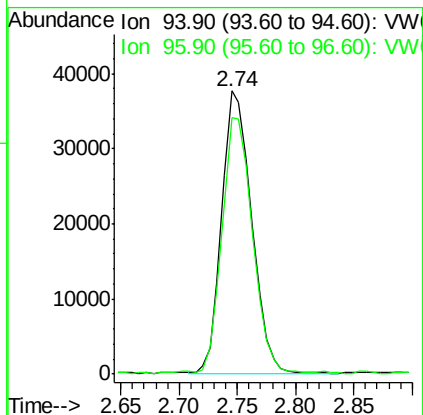
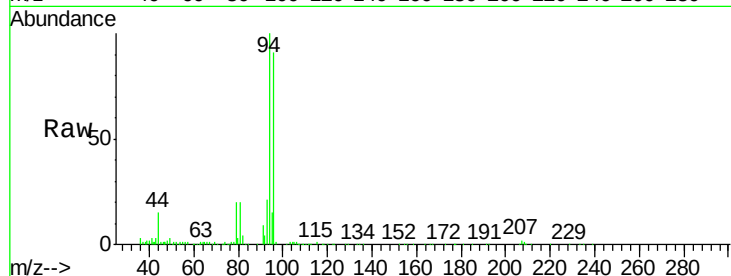
Ion Ratio Lower Upper

94 100

96 90.2 73.4 110.2

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#6

Chloroethane

Concen: 20.892 ug/l

RT: 2.90 min Scan# 164

Delta R.T. -0.01 min

Lab File: VW008906.D

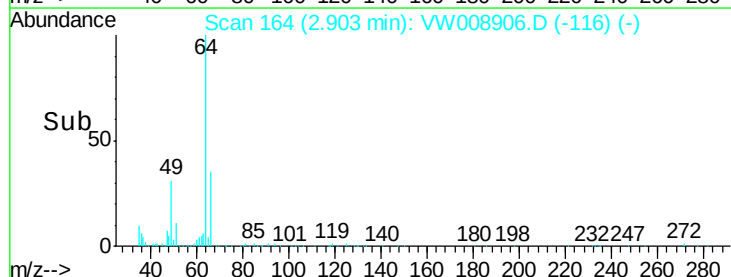
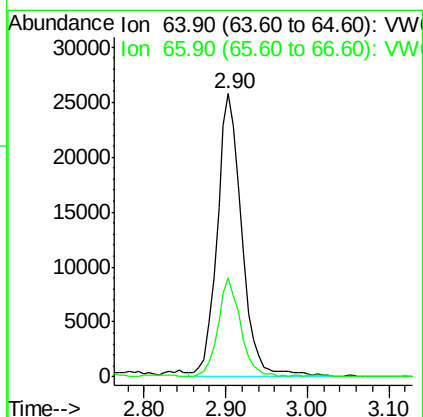
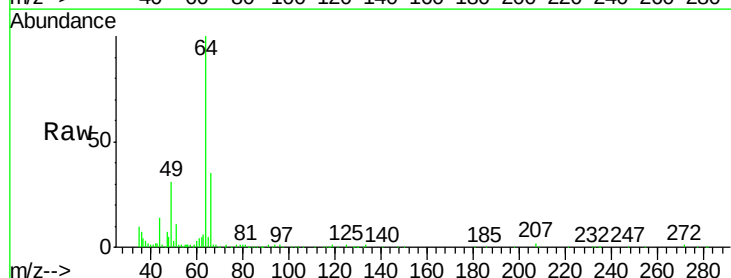
Acq: 01 Mar 2019 01:20

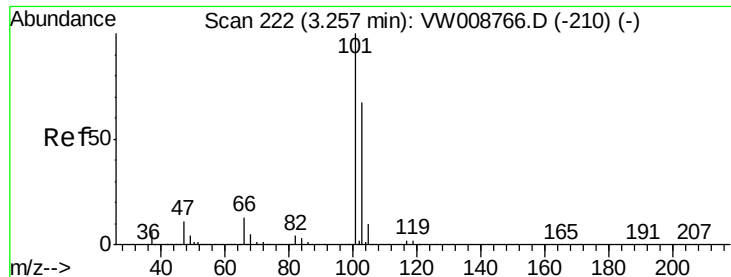
Tgt Ion: 64 Resp: 54545

Ion Ratio Lower Upper

64 100

66 34.5 25.5 38.3





#7

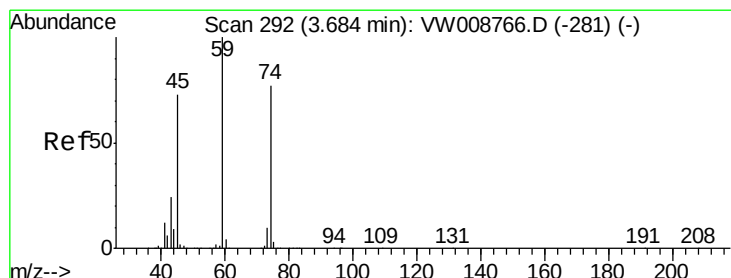
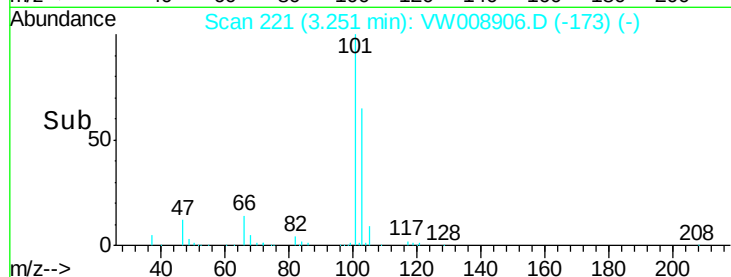
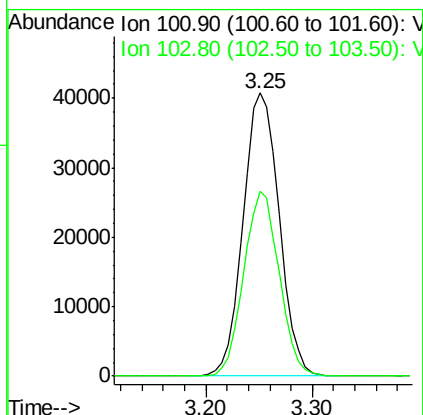
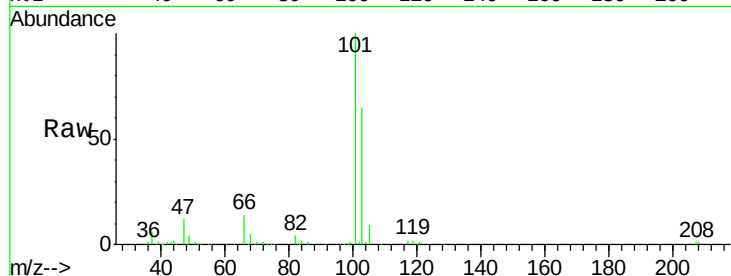
Trichlorofluoromethane
Concen: 20.874 ug/l
RT: 3.25 min Scan# 221
Delta R.T. -0.01 min
Lab File: VW008906.D
Acq: 01 Mar 2019 01:20

Instrument :
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ClientSampleId :
VW0228SBS02

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.4	53.9	80.9

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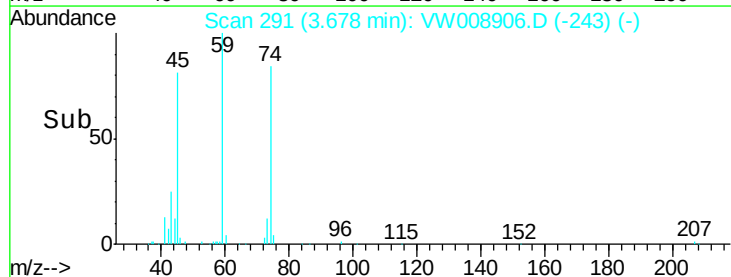
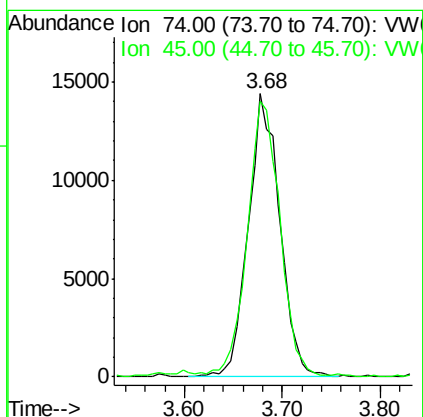
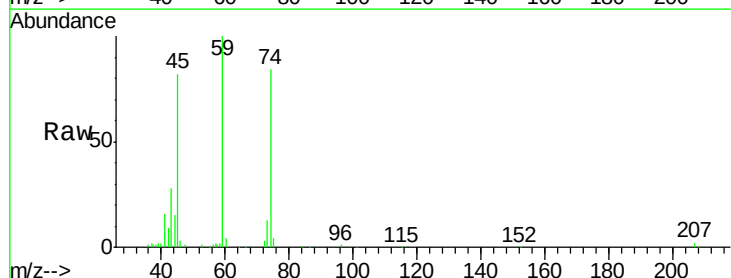
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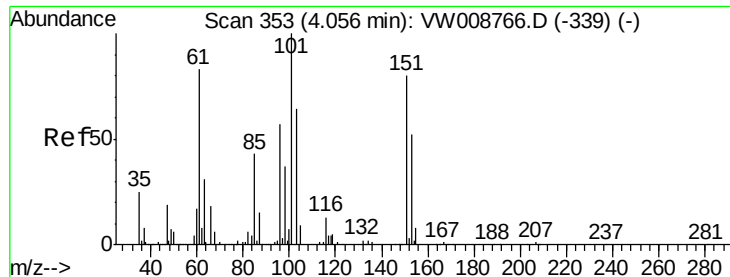


#8

Diethyl Ether
Concen: 21.836 ug/l
RT: 3.68 min Scan# 291
Delta R.T. -0.01 min
Lab File: VW008906.D
Acq: 01 Mar 2019 01:20

Tgt Ion	Ratio	Lower	Upper
74	100		
45	99.9	50.2	150.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.256 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.00 min

Lab File: VW008906.D

Acq: 01 Mar 2019 01:20

Instrument :

MSVOA_W

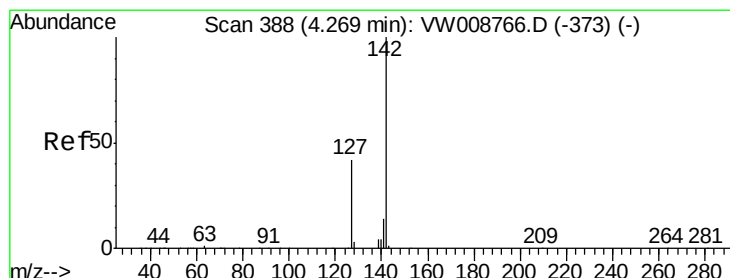
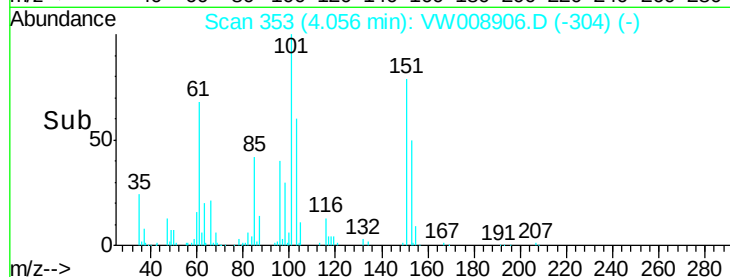
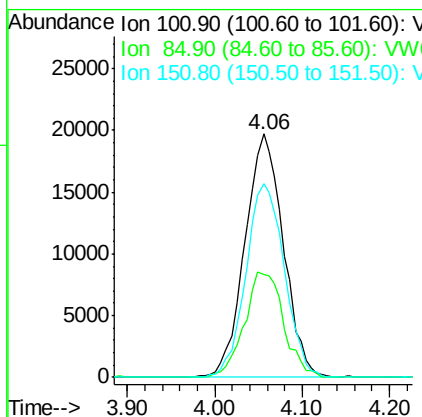
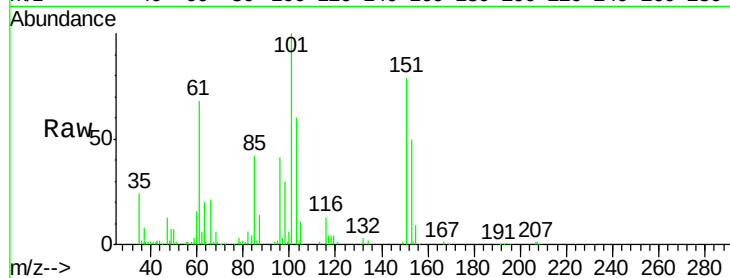
ClientSampleId :

VW0228SBS02

Tot Ion:	101	Resp:	60023
Ion Ratio	Lower	Upper	
101	100		
85	44.0	36.0	54.0
151	79.9	65.5	98.3

Manual Integrations
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#10

Methyl Iodide

Concen: 17.092 ug/l

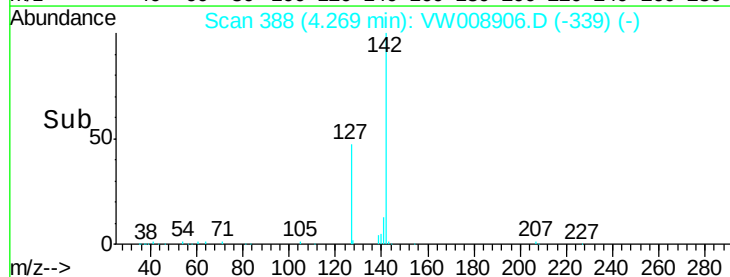
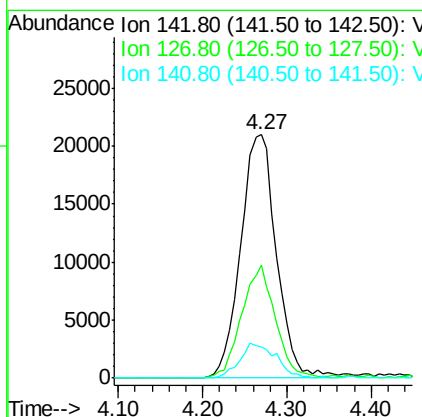
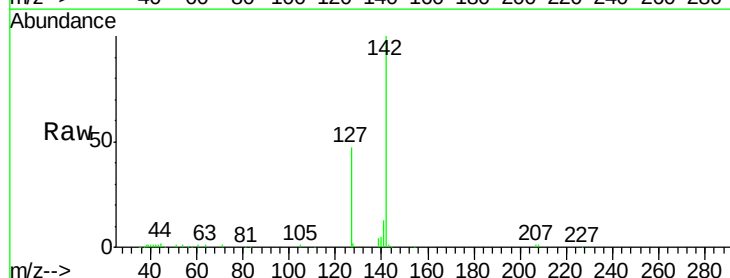
RT: 4.27 min Scan# 388

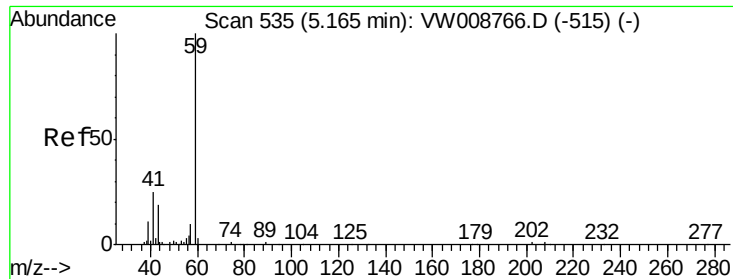
Delta R.T. -0.00 min

Lab File: VW008906.D

Acq: 01 Mar 2019 01:20

Tgt Ion:	142	Resp:	60354
Ion Ratio	Lower	Upper	
142	100		
127	43.8	35.3	52.9
141	14.6	11.7	17.5





#11

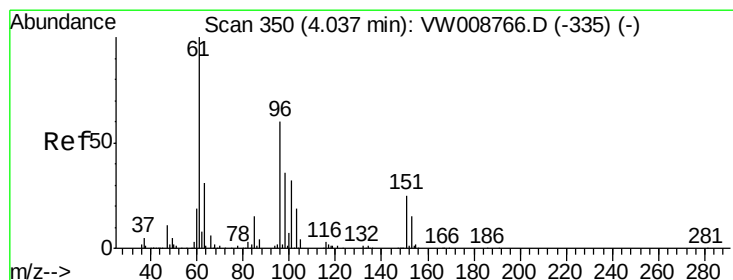
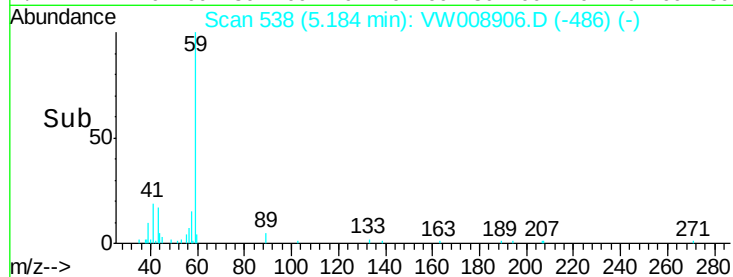
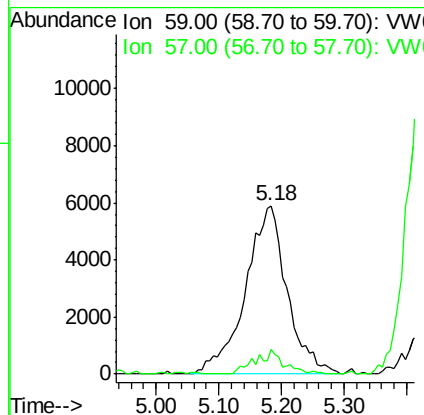
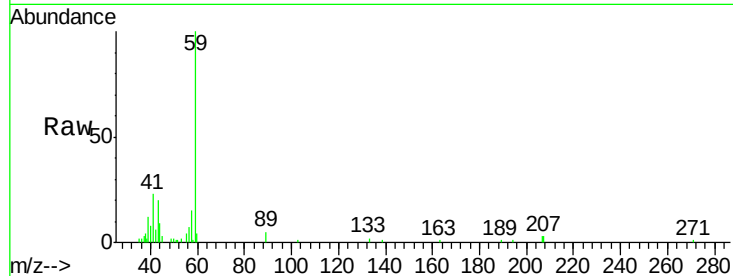
Tert butyl alcohol
Concen: 113.991 ug/l
RT: 5.18 min Scan# 538
Delta R.T. 0.02 min
Lab File: VW008906.D
Acq: 01 Mar 2019 01:20

Instrument :
MSVOA_W
ClientSampleId :
VW0228SBSD02

Tot Ion	Ratio	Lower	Upper
59	100		
57	8.3	9.3	13.9#

Manual Integrations
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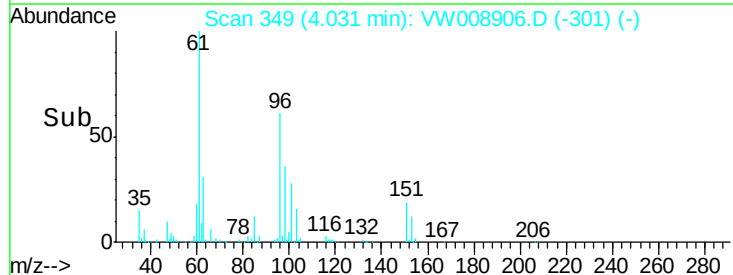
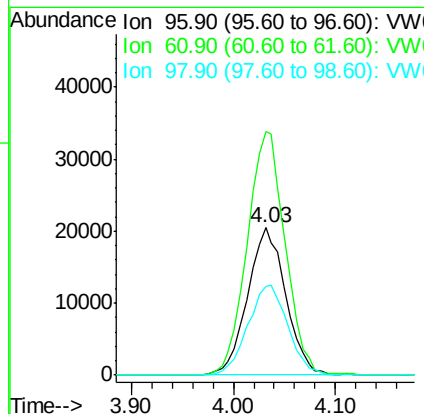
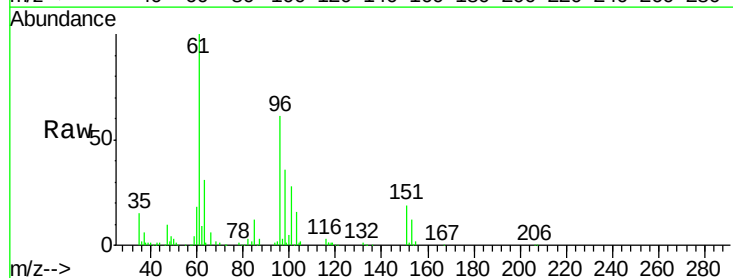
MMDadoda
3/1/2019 2:57:24 PM

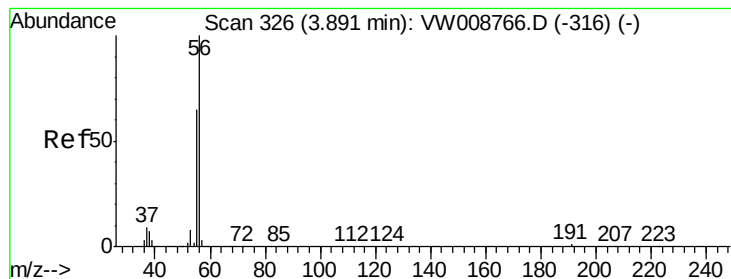


#12

1,1-Dichloroethene
Concen: 21.292 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.01 min
Lab File: VW008906.D
Acq: 01 Mar 2019 01:20

Tgt Ion	Ratio	Lower	Upper
96	100		
61	165.2	132.5	198.7
98	60.2	48.2	72.4





#13

Acrolein

Concen: 88.765 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.01 min

Lab File: VW008906.D

Acq: 01 Mar 2019 01:20

Instrument :

MSVOA_W

ClientSampleId :

VW0228SBSD02

Tot Ion: 56 Resp: 18792

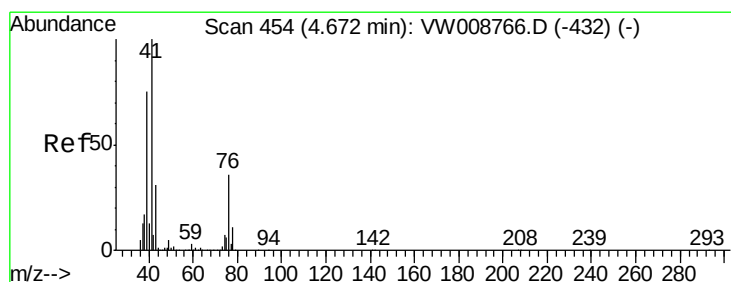
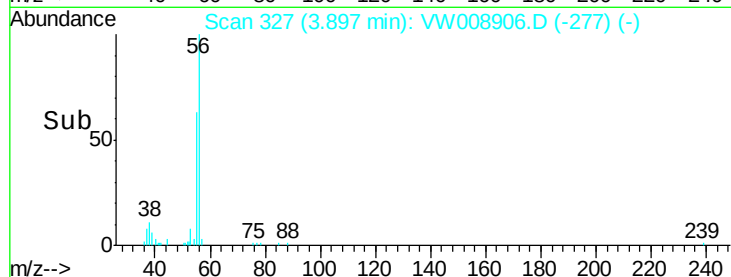
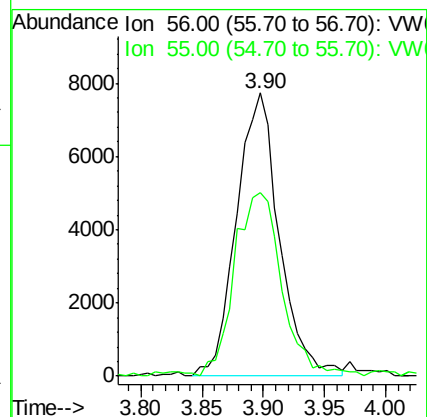
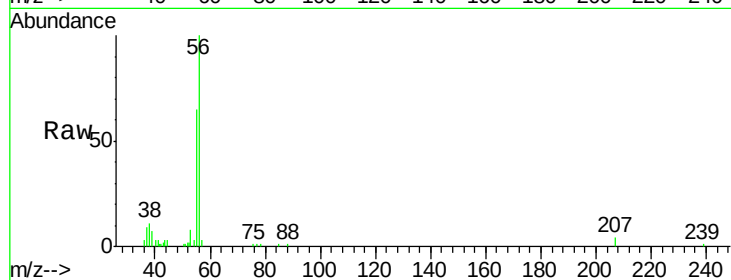
Ion Ratio Lower Upper

56 100

55 71.9 56.9 85.3

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#14

Allyl chloride

Concen: 21.199 ug/l

RT: 4.67 min Scan# 454

Delta R.T. -0.00 min

Lab File: VW008906.D

Acq: 01 Mar 2019 01:20

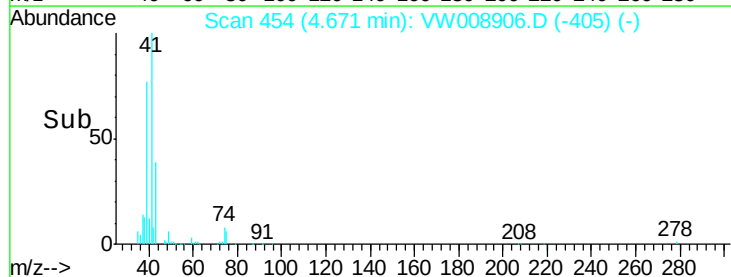
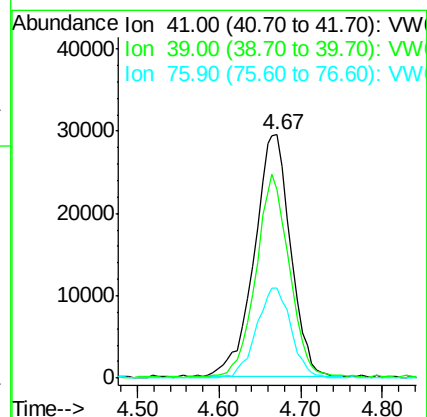
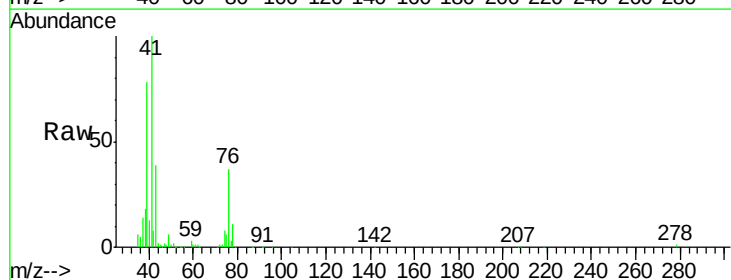
Tgt Ion: 41 Resp: 91244

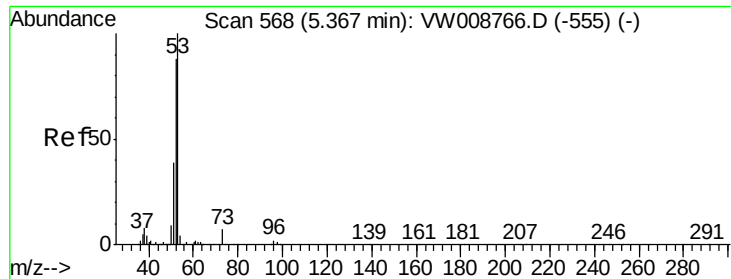
Ion Ratio Lower Upper

41 100

39 79.1 60.6 91.0

76 35.6 28.6 42.8





#15

Acrylonitrile

Concen: 117.521 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW008906.D

Acq: 01 Mar 2019 01:20

Instrument :

MSVOA_W

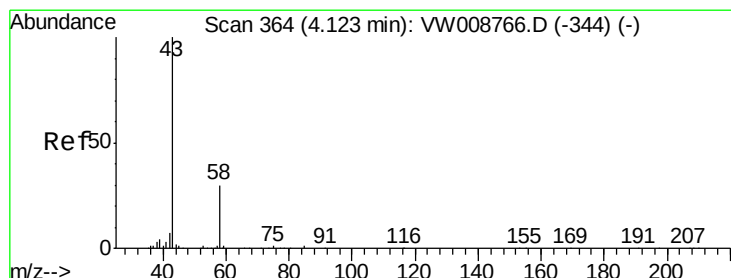
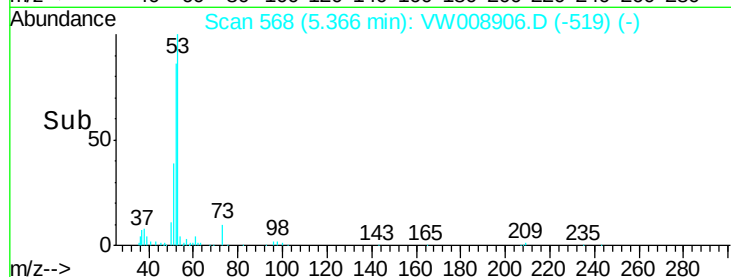
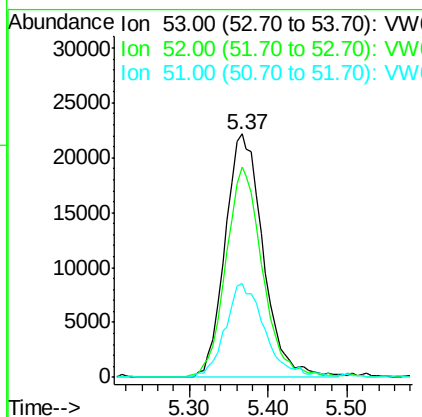
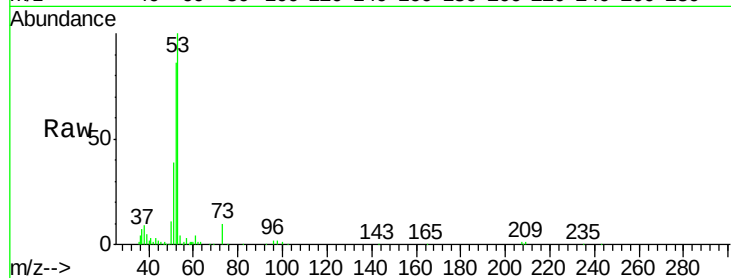
ClientSampleId :

VW0228SBS02

Tot Ion:	53	Resp:	74250
Ion	Ratio	Lower	Upper
53	100		
52	82.8	67.2	100.8
51	39.4	31.1	46.7

Manual Integrations
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#16

Acetone

Concen: 98.746 ug/l

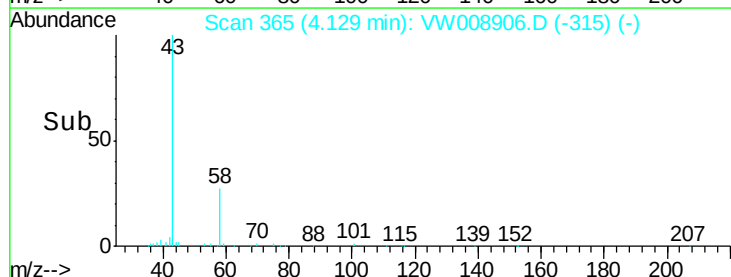
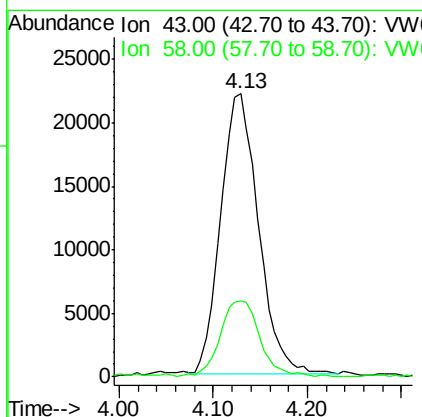
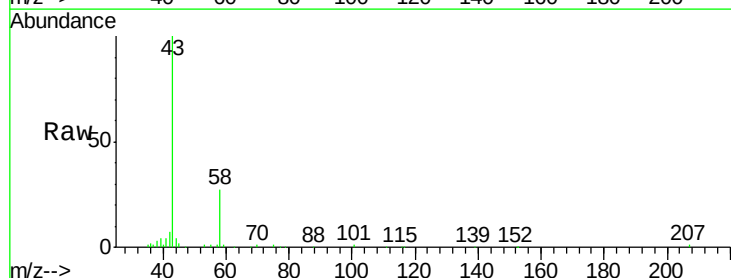
RT: 4.13 min Scan# 365

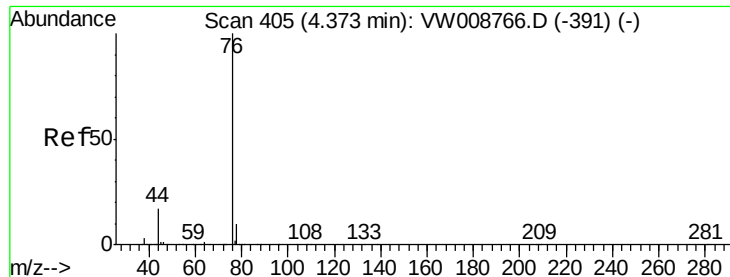
Delta R.T. 0.01 min

Lab File: VW008906.D

Acq: 01 Mar 2019 01:20

Tgt Ion:	43	Resp:	61144
Ion	Ratio	Lower	Upper
43	100		
58	27.2	23.8	35.6





#17

Carbon Disulfide

Concen: 18.883 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.00 min

Lab File: VW008906.D

Acq: 01 Mar 2019 01:20

Instrument :

MSVOA_W

ClientSampleId :

VW0228SBSD02

Tot Ion: 76 Resp: 156245

Ion Ratio Lower Upper

76 100

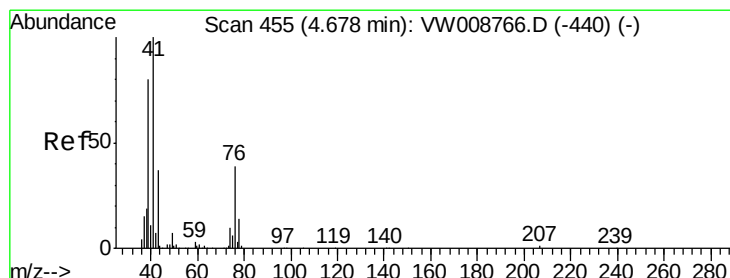
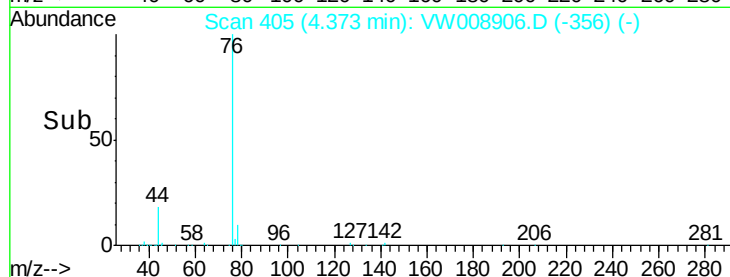
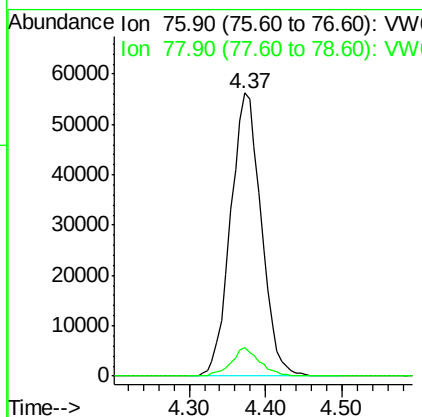
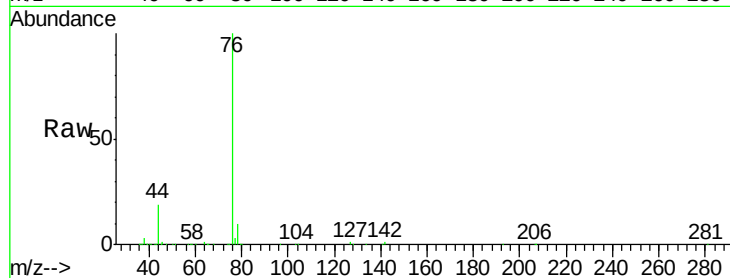
78 10.2 7.8 11.8

Manual Integrations

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#18

Methyl Acetate

Concen: 23.093 ug/l

RT: 4.67 min Scan# 454

Delta R.T. -0.01 min

Lab File: VW008906.D

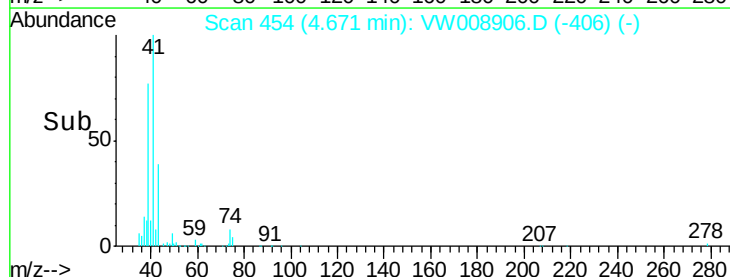
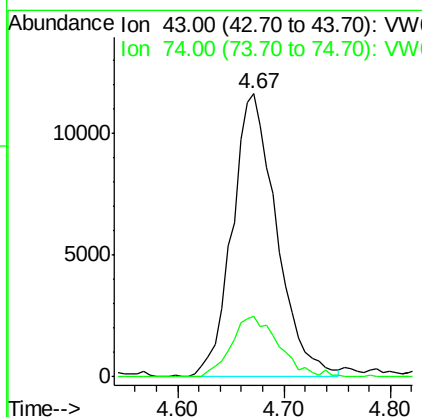
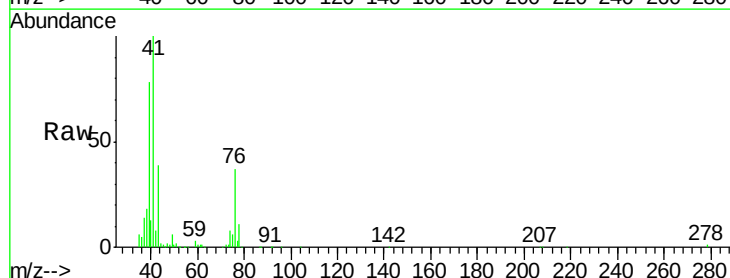
Acq: 01 Mar 2019 01:20

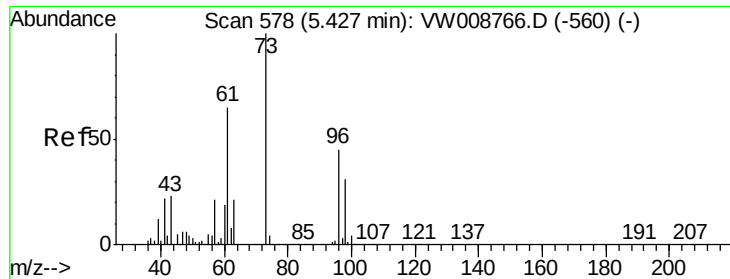
Tgt Ion: 43 Resp: 33916

Ion Ratio Lower Upper

43 100

74 22.4 19.4 29.2





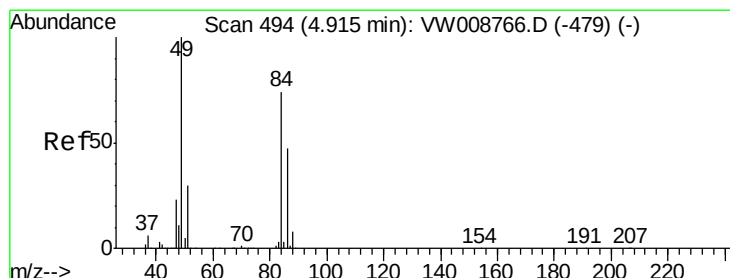
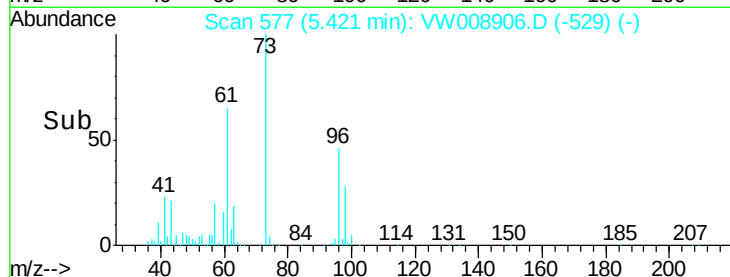
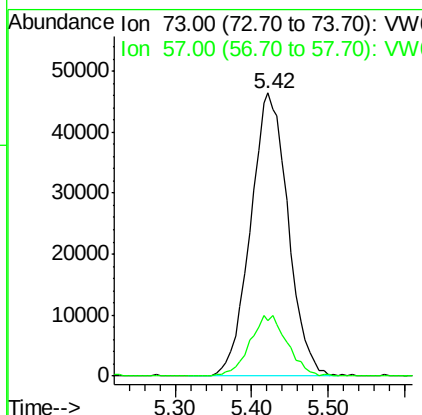
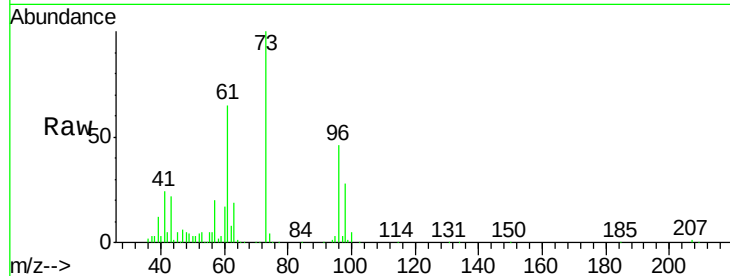
#19
Methyl tert-butyl Ether
Concen: 23.448 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW008906.D
Acq: 01 Mar 2019 01:20

Instrument :
MSVOA_W
ClientSampleId :
VW0228SBS02

Tot Ion: 73 Resp: 158274
Ion Ratio Lower Upper
73 100
57 19.6 16.8 25.2

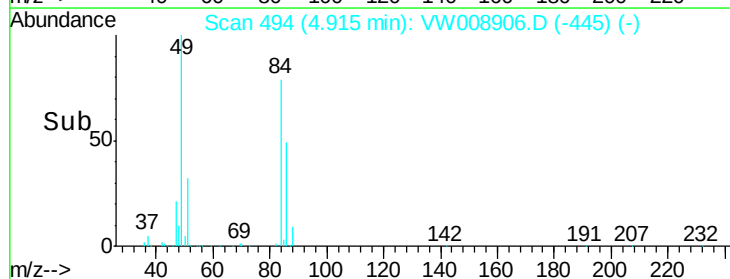
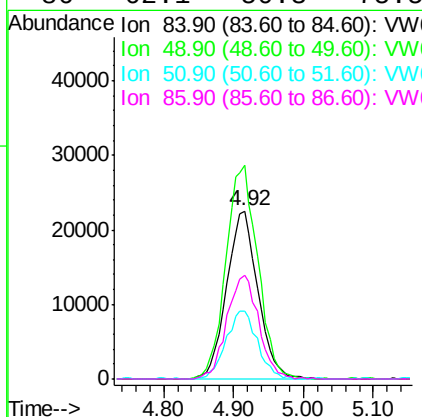
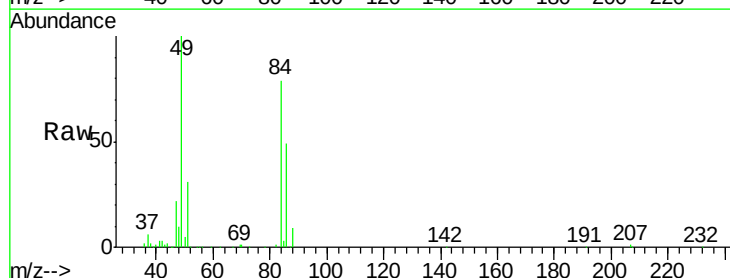
Manual Integrations
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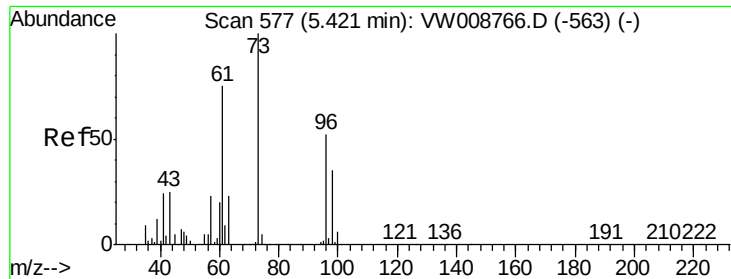
MMDadoda
3/1/2019 2:57:24 PM



#20
Methylene Chloride
Concen: 19.837 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW008906.D
Acq: 01 Mar 2019 01:20

Tgt Ion: 84 Resp: 69911
Ion Ratio Lower Upper
84 100
49 127.2 108.2 162.2
51 40.1 32.7 49.1
86 62.1 50.3 75.5





#21

trans-1,2-Dichloroethene

Concen: 22.042 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW008906.D

Acq: 01 Mar 2019 01:20

Instrument :

MSVOA_W

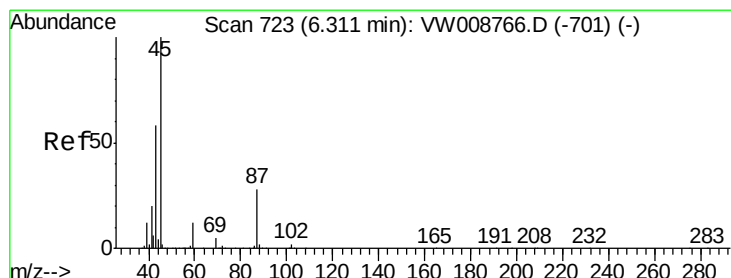
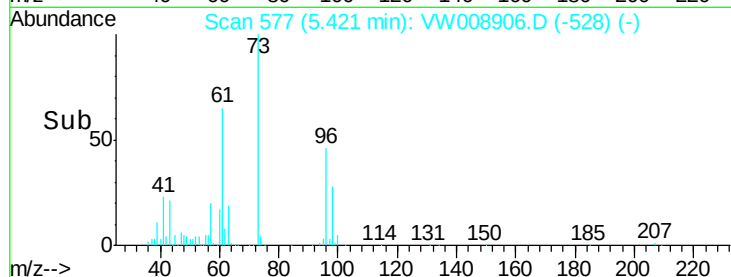
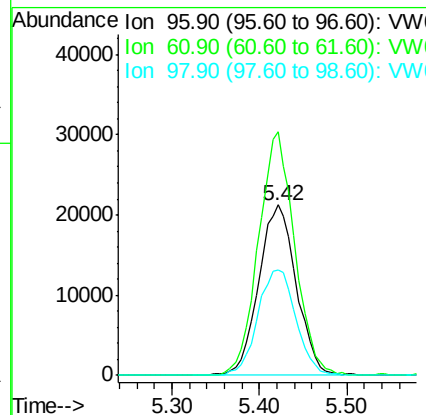
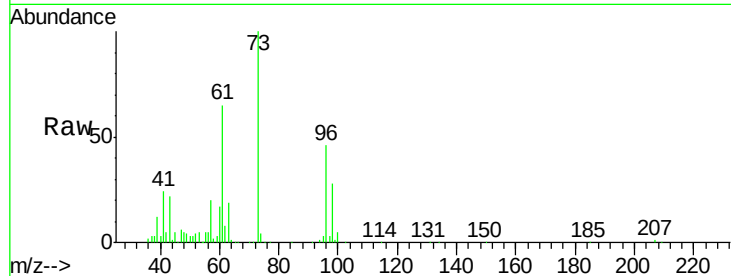
ClientSampleId :

VW0228SBSD02

Tot Ion:	96	Resp:	63584
Ion	Ratio	Lower	Upper
96	100		
61	142.5	114.6	171.8
98	61.7	54.0	81.0

Manual Integrations
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#22

Diisopropyl ether

Concen: 23.134 ug/l

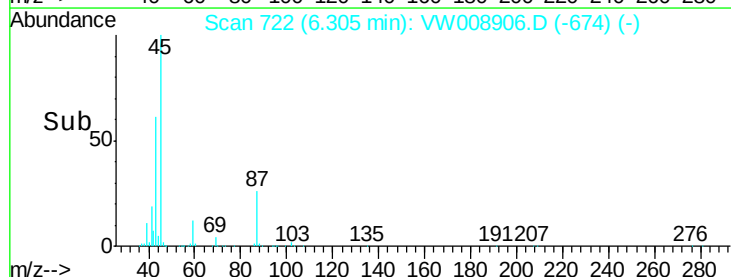
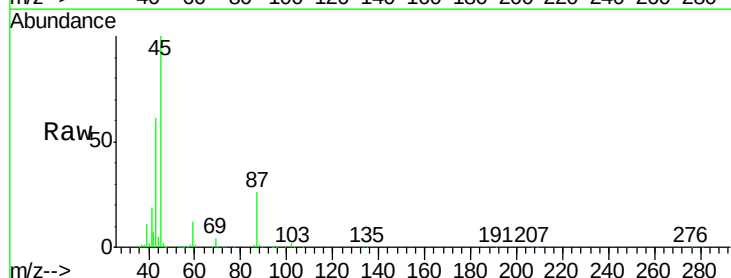
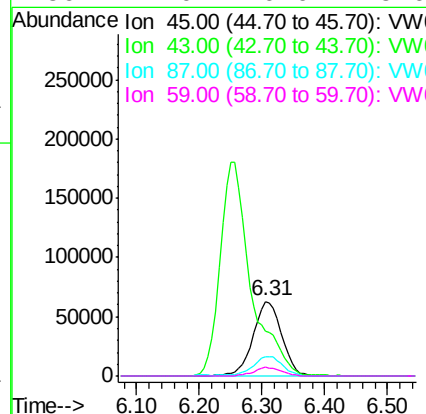
RT: 6.31 min Scan# 722

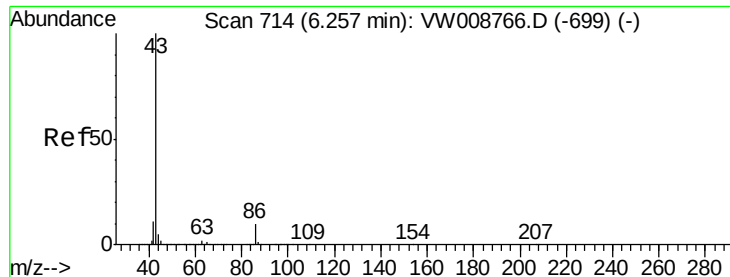
Delta R.T. -0.01 min

Lab File: VW008906.D

Acq: 01 Mar 2019 01:20

Tgt Ion:	45	Resp:	198629
Ion	Ratio	Lower	Upper
45	100		
43	60.3	46.1	69.1
87	26.1	22.2	33.4
59	12.0	10.0	15.0





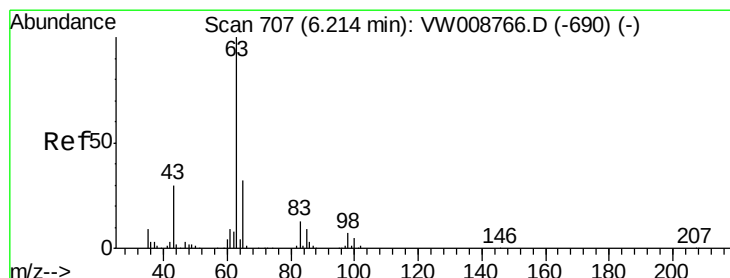
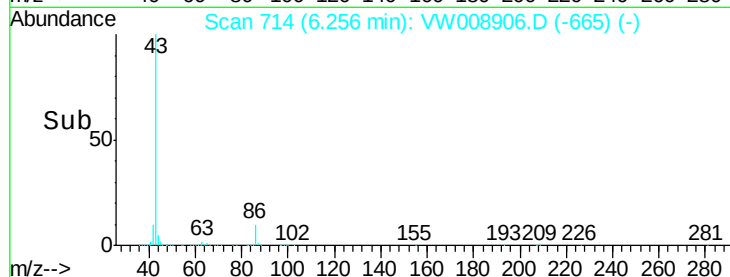
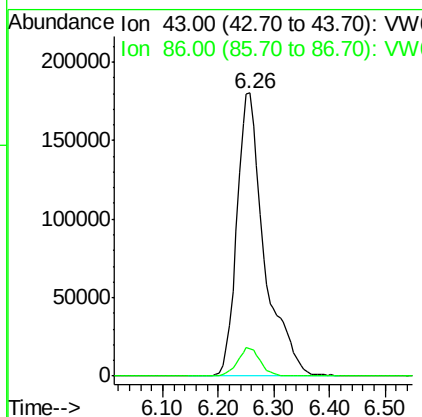
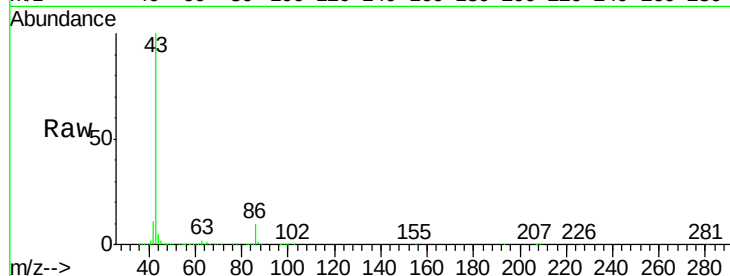
#23
 Vinyl Acetate
 Concen: 115.865 ug/l
 RT: 6.26 min Scan# 714
 Delta R.T. -0.00 min
 Lab File: VW008906.D
 Acq: 01 Mar 2019 01:20

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0228SBS02

Tot Ion	Ratio	Lower	Upper
43	100		
86	9.8	8.1	12.1

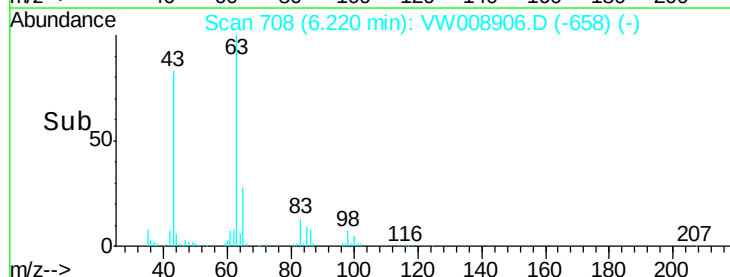
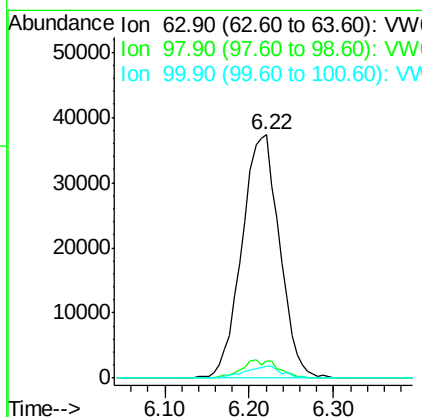
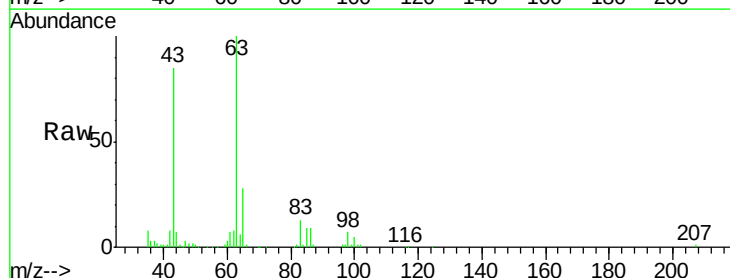
Manual Integrations
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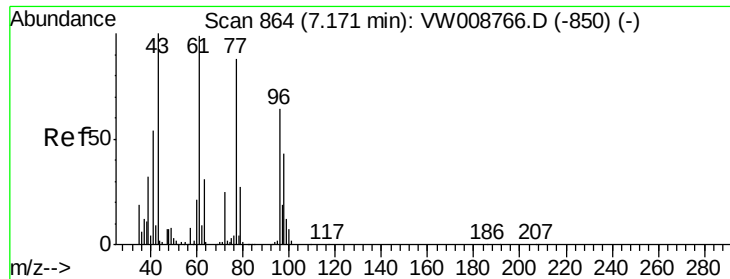
MMDadoda
 3/1/2019 2:57:24 PM



#24
 1,1-Dichloroethane
 Concen: 22.741 ug/l
 RT: 6.22 min Scan# 708
 Delta R.T. 0.01 min
 Lab File: VW008906.D
 Acq: 01 Mar 2019 01:20

Tgt Ion	Ratio	Lower	Upper
63	100		
98	6.8	3.5	10.6
100	4.6	2.4	7.2





#25

2-Butanone

Concen: 113.428 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW008906.D

Acq: 01 Mar 2019 01:20

Instrument :

MSVOA_W

ClientSampleId :

VW0228SBS02

Tot Ion: 43 Resp: 98194

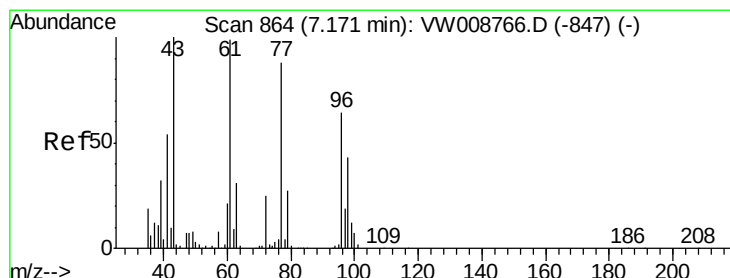
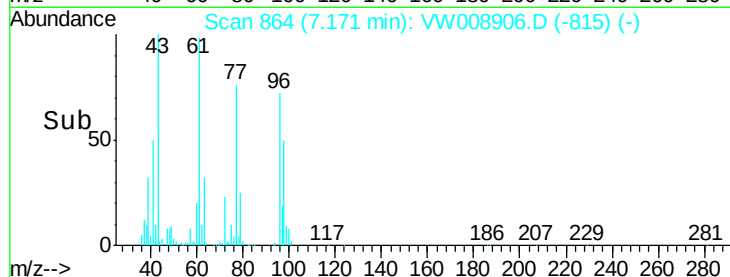
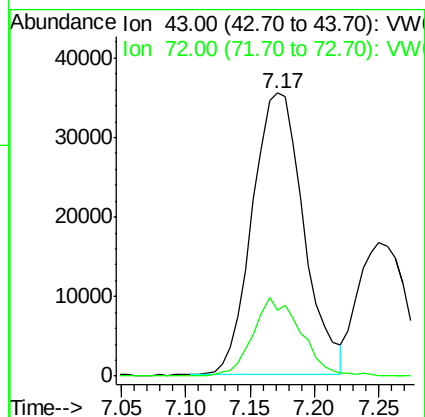
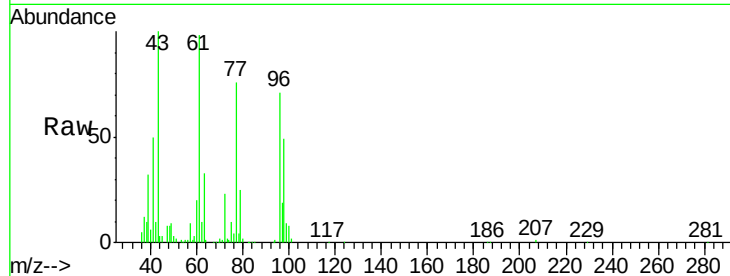
Ion Ratio Lower Upper

43 100

72 23.4 19.7 29.5

Manual Integrations
APPROVED

MMDadoda
3/1/2019 2:57:24 PM



#26

2,2-Dichloropropane

Concen: 18.619 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW008906.D

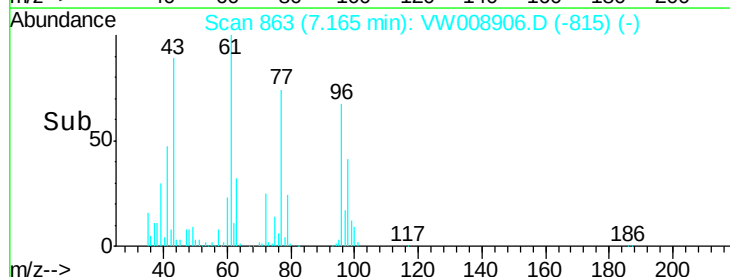
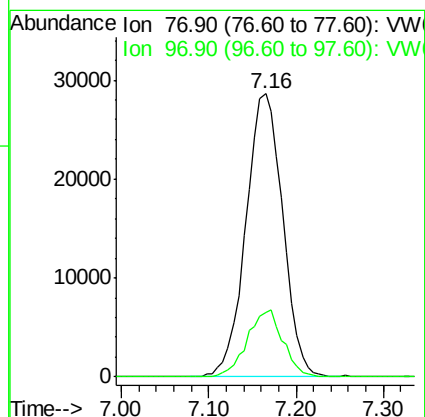
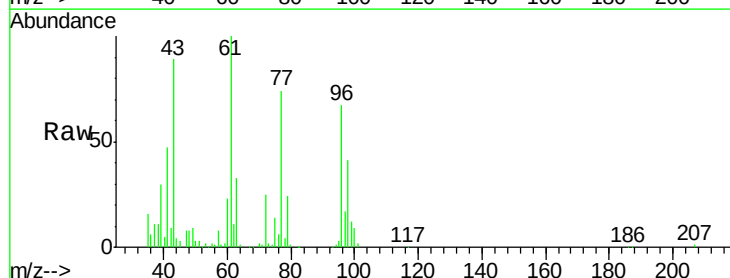
Acq: 01 Mar 2019 01:20

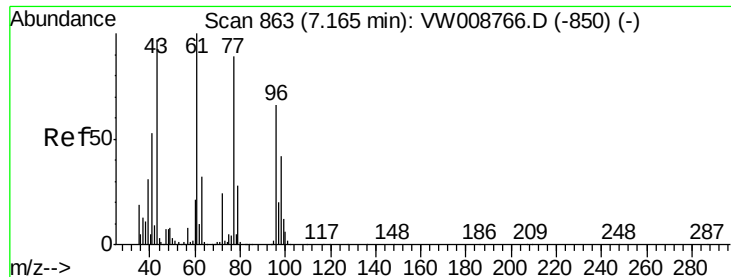
Tgt Ion: 77 Resp: 84104

Ion Ratio Lower Upper

77 100

97 22.8 11.0 33.0





#27

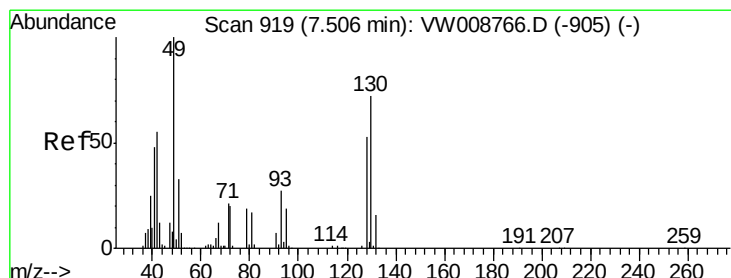
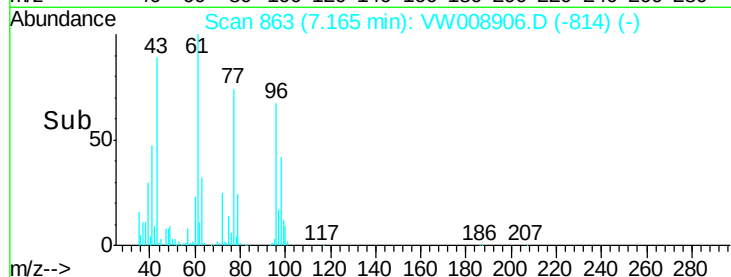
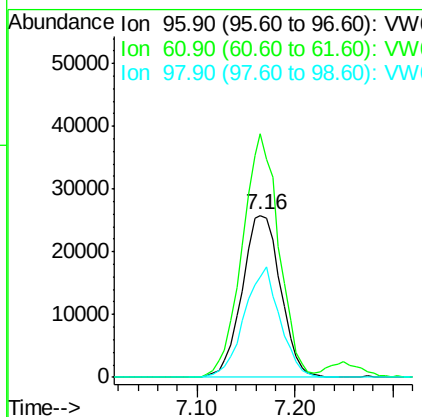
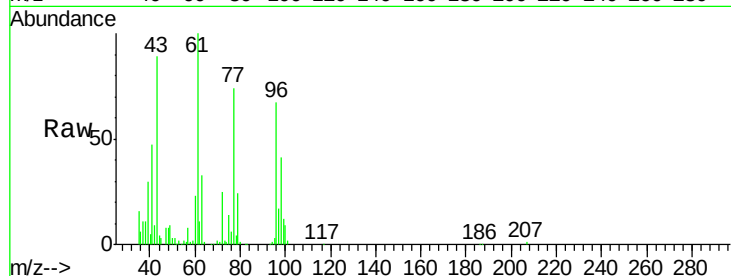
cis-1,2-Dichloroethene
Concen: 22.818 ug/l
RT: 7.16 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW008906.D
Acq: 01 Mar 2019 01:20

Instrument :
MSVOA_W
ClientSampleId :
VW0228SBS02

Tot Ion	Ratio	Lower	Upper
96	100		
61	143.5	0.0	302.6
98	63.0	0.0	130.0

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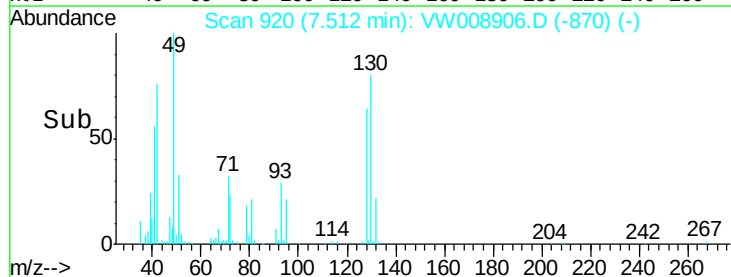
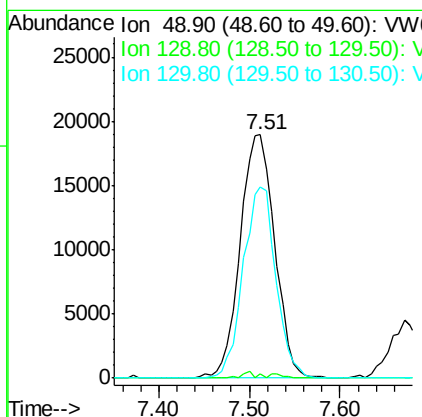
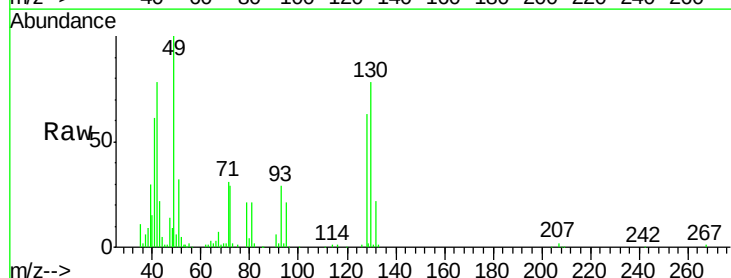
MMDadoda
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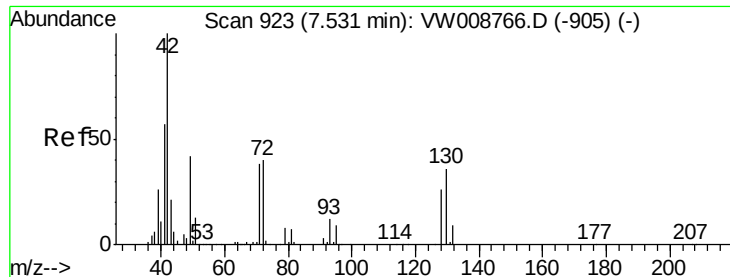


#28

Bromochloromethane
Concen: 23.969 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.01 min
Lab File: VW008906.D
Acq: 01 Mar 2019 01:20

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.7	0.0	2.6
130	74.1	61.3	91.9





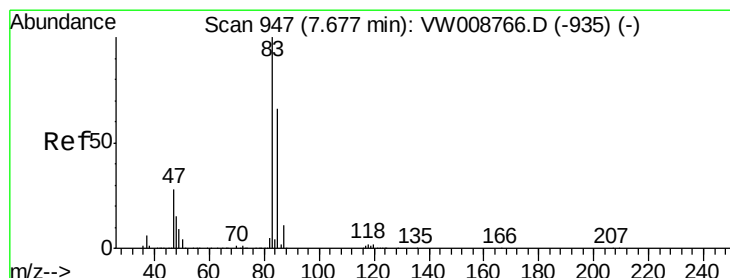
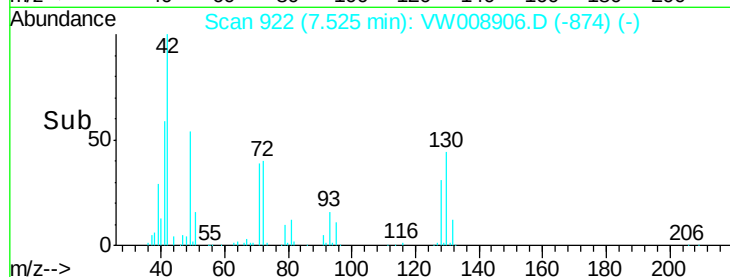
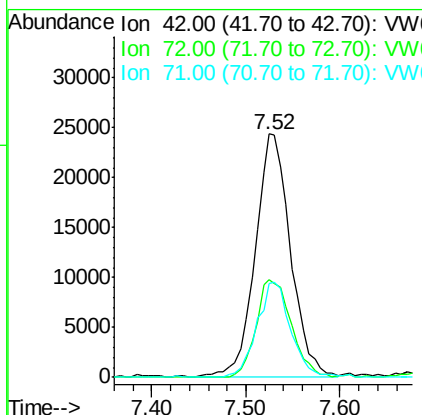
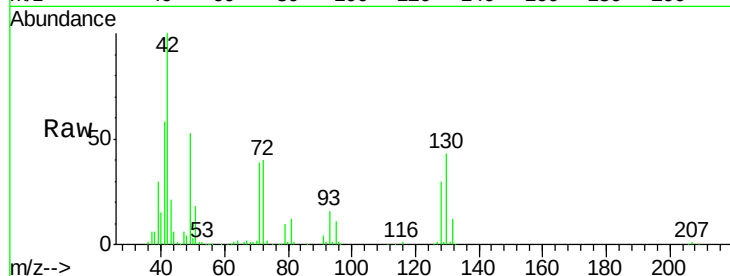
#29
Tetrahydrofuran
Concen: 115.007 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW008906.D
Acq: 01 Mar 2019 01:20

Instrument :
MSVOA_W
ClientSampleId :
VW0228SBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.5	32.7	49.1
71	38.3	31.3	46.9

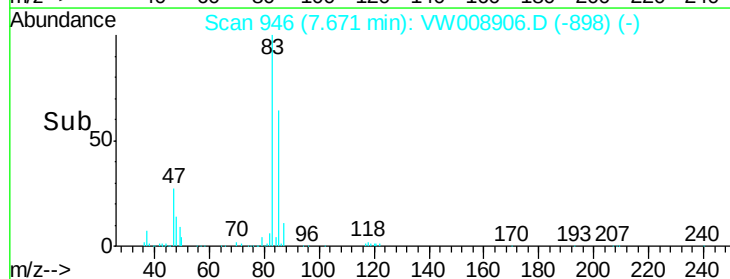
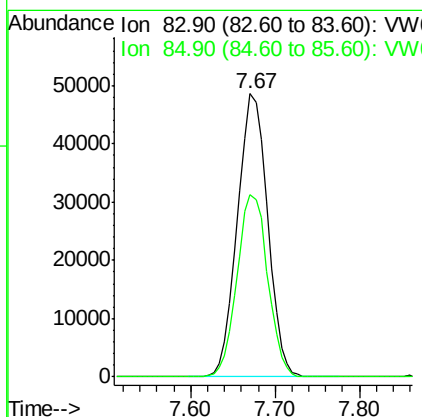
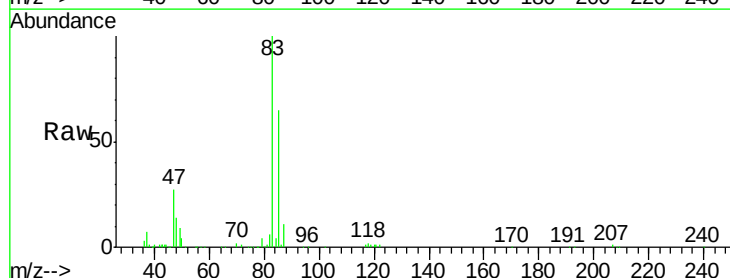
Manual Integrations
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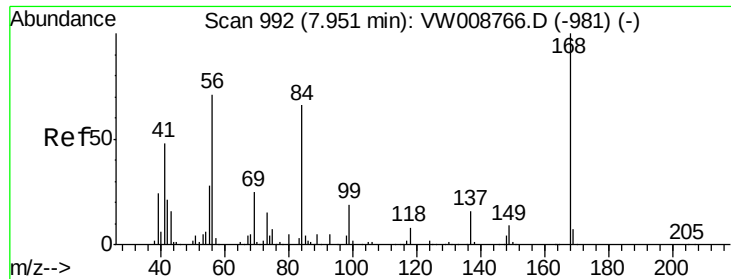
MMDadoda
3/1/2019 2:57:24 PM



#30
Chloroform
Concen: 23.096 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW008906.D
Acq: 01 Mar 2019 01:20

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.5	52.6	79.0





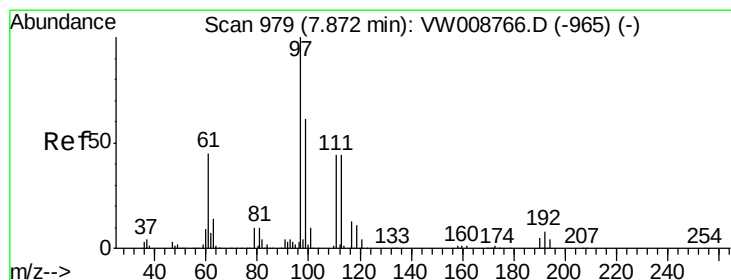
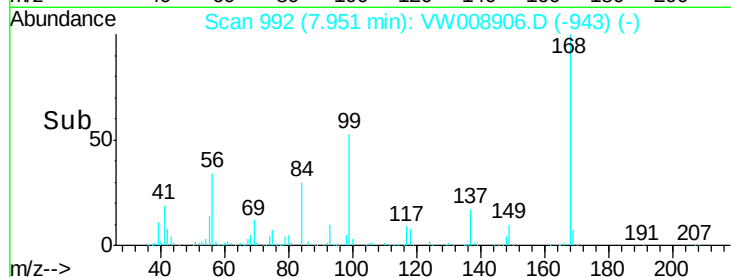
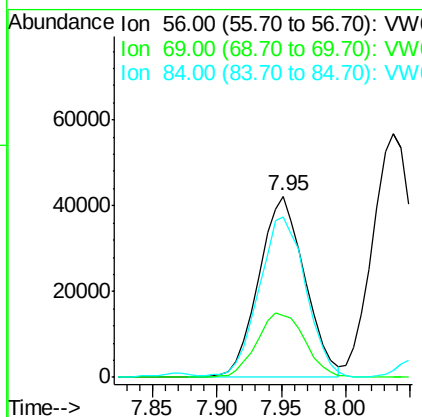
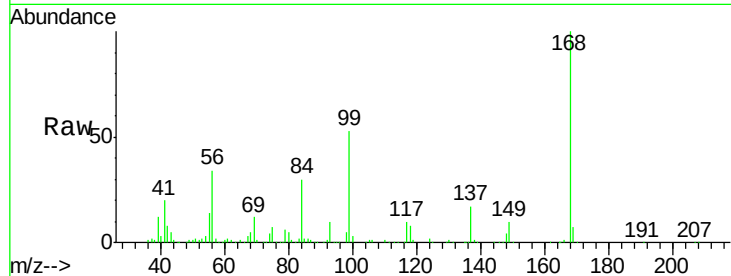
#31
Cyclohexane
Concen: 20.714 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW008906.D
Acq: 01 Mar 2019 01:20

Instrument :
MSVOA_W
ClientSampleId :
VW0228SBS02

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.1	28.2	42.4
84	86.9	74.1	111.1

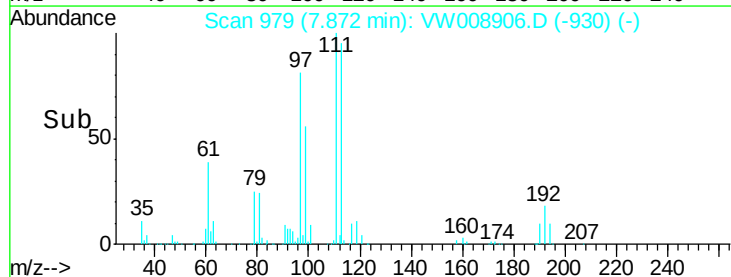
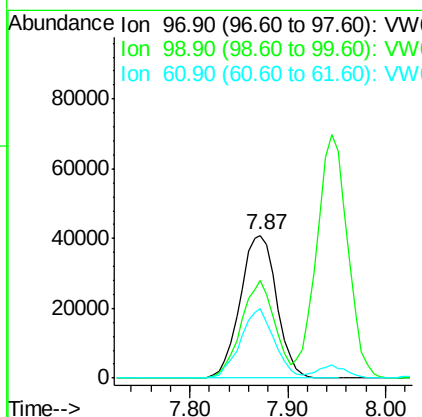
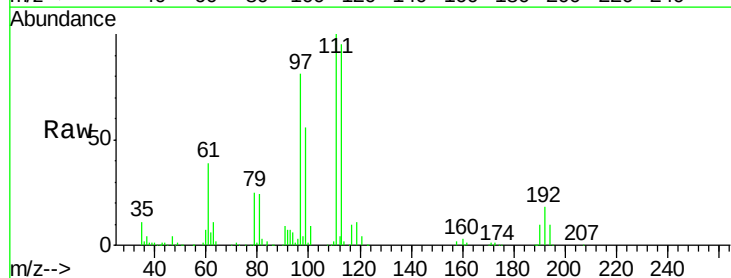
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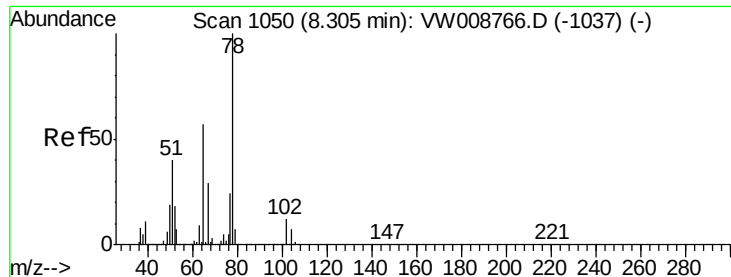
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#32
1,1,1-Trichloroethane
Concen: 22.667 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW008906.D
Acq: 01 Mar 2019 01:20

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.2	50.8	76.2
61	45.4	36.0	54.0





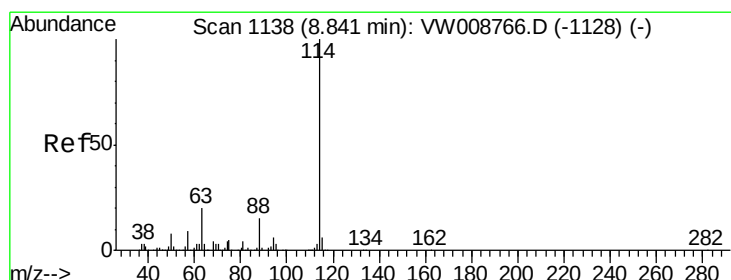
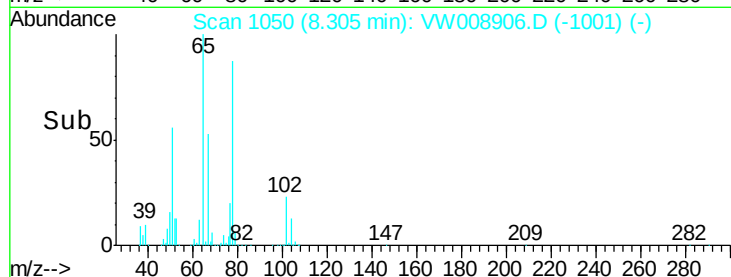
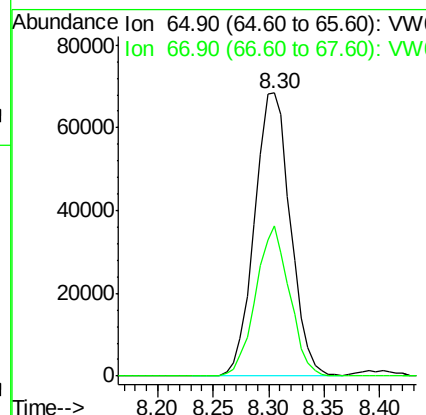
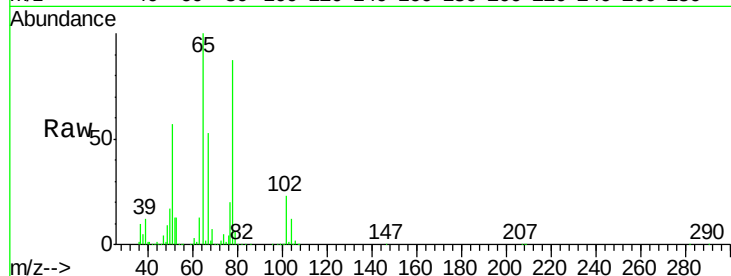
#33
 1,2-Dichloroethane-d4
 Concen: 57.510 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW008906.D
 Acq: 01 Mar 2019 01:20

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0228SBS02

Tot Ion	Ratio	Lower	Upper
65	100		
67	50.2	0.0	101.4

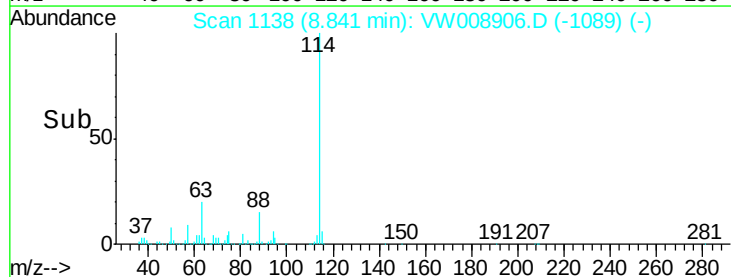
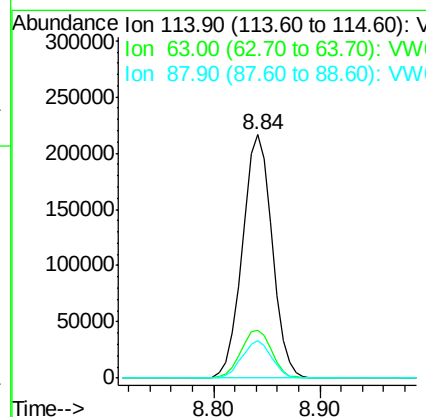
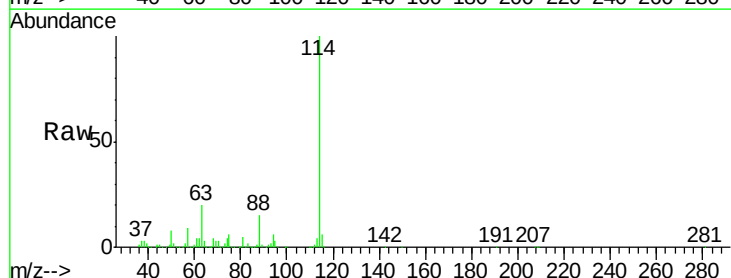
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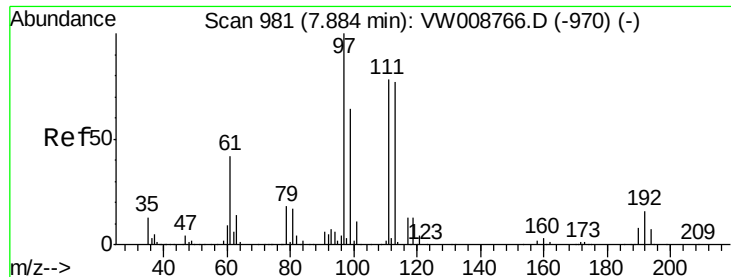
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW008906.D
 Acq: 01 Mar 2019 01:20

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.9	0.0	40.8
88	15.2	0.0	30.4





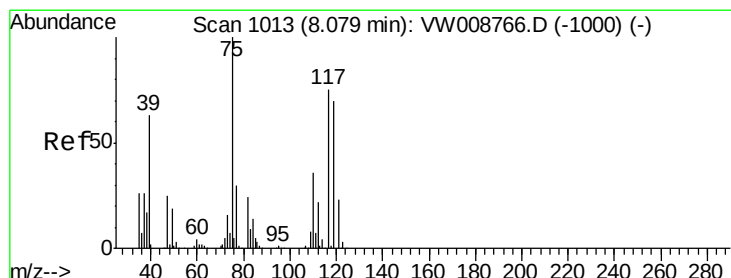
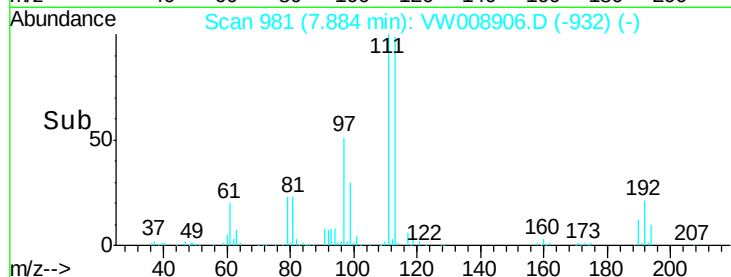
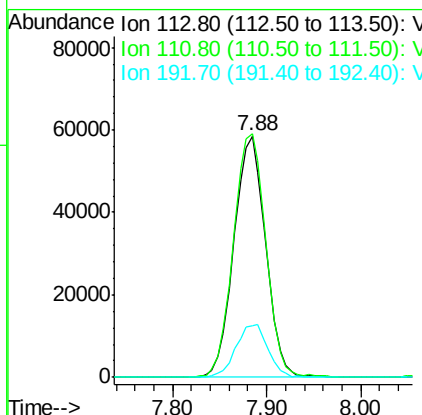
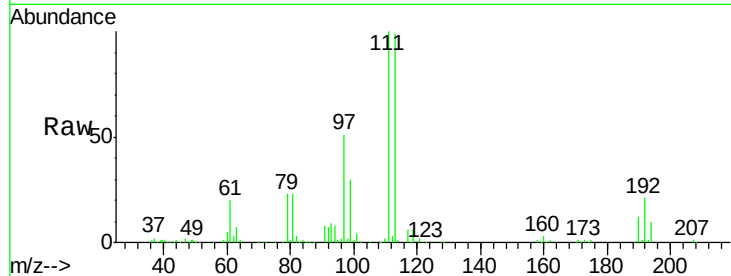
#35
 Dibromofluoromethane
 Concen: 53.784 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW008906.D
 Acq: 01 Mar 2019 01:20

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0228SBS02

Tot Ion	Ratio	Resp	Lower	Upper
113	100	137150		
111	103.6	81.9	122.9	
192	22.2	17.1	25.7	

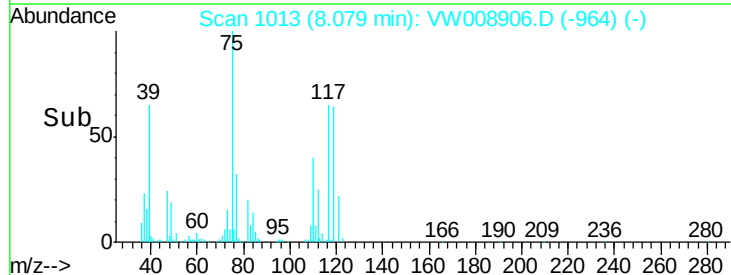
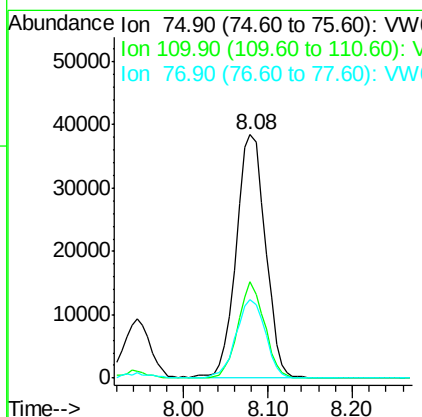
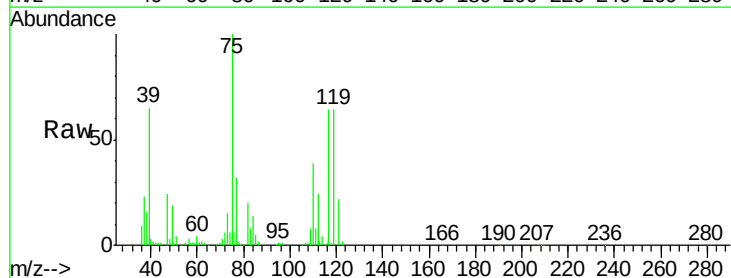
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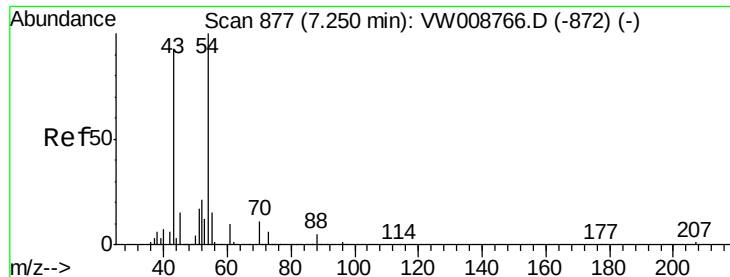
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#36
 1,1-Dichloropropene
 Concen: 21.774 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW008906.D
 Acq: 01 Mar 2019 01:20

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	90022		
110	35.5	17.5	52.6	
77	32.5	24.5	36.7	





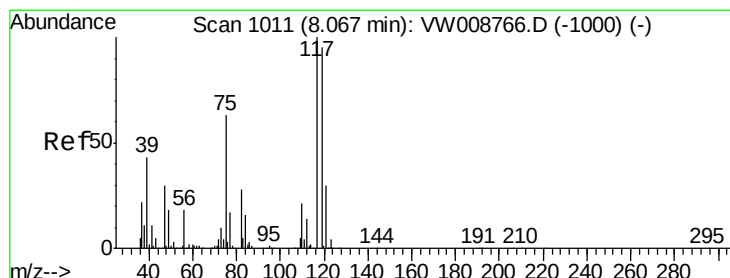
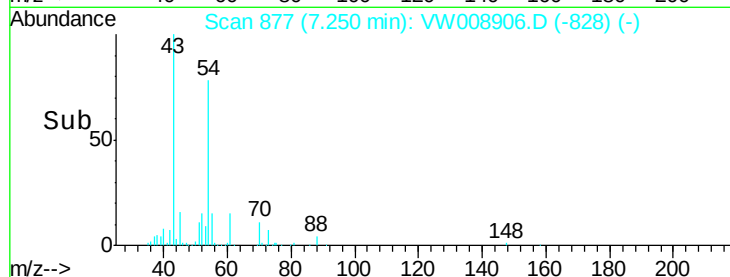
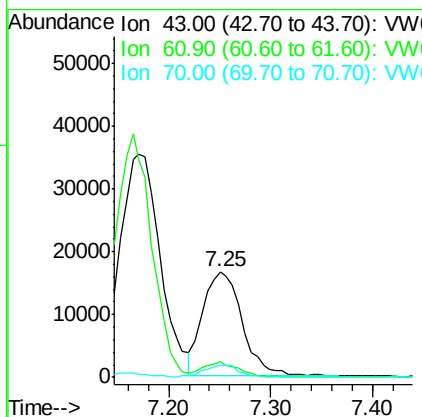
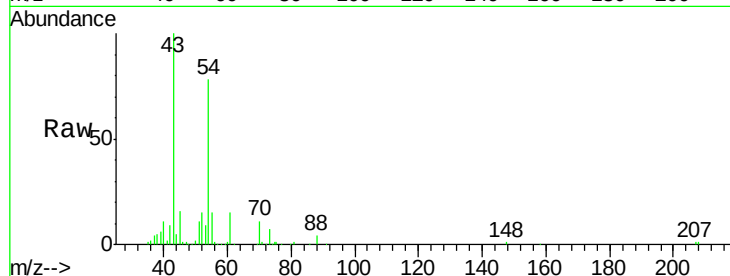
#37
Ethyl Acetate
Concen: 23.221 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW008906.D
Acq: 01 Mar 2019 01:20

Instrument :
MSVOA_W
ClientSampleId :
VW0228SBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.6	9.8	14.8
70	10.5	8.4	12.6

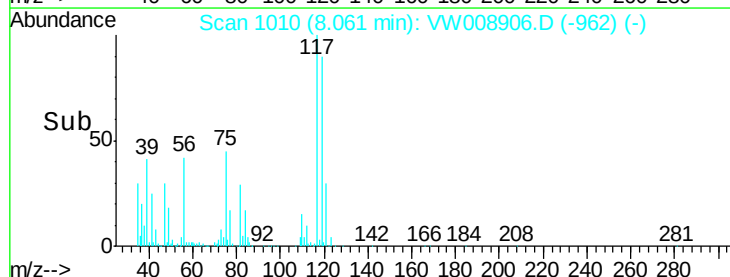
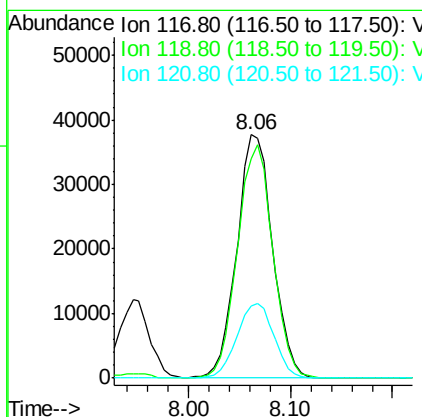
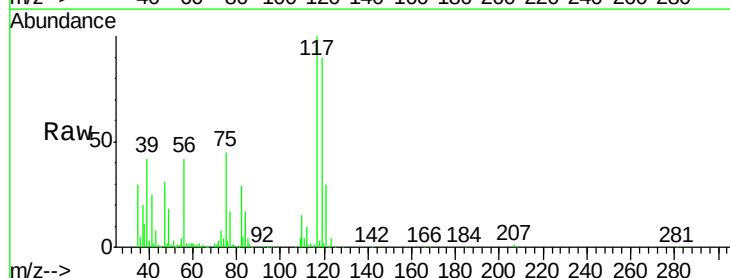
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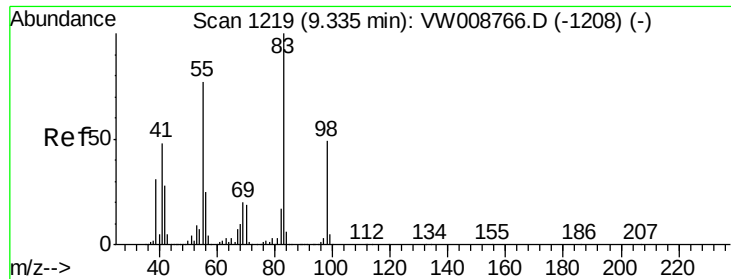
MMDadoda
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#38
Carbon Tetrachloride
Concen: 21.035 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW008906.D
Acq: 01 Mar 2019 01:20

Tgt Ion	Ratio	Lower	Upper
117	100		
119	89.9	76.1	114.1
121	29.8	24.0	36.0





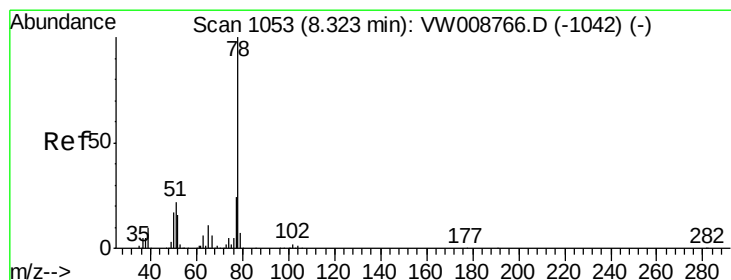
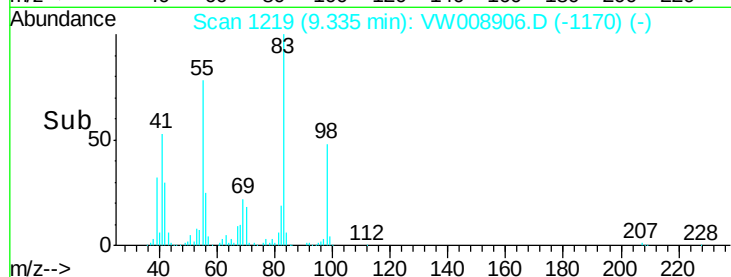
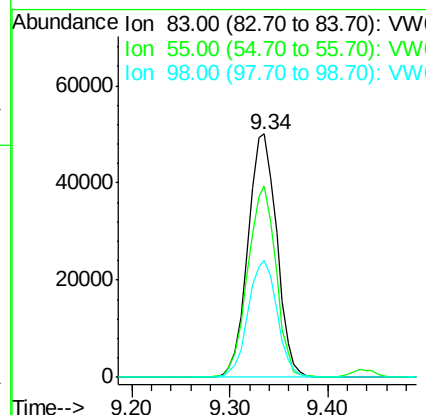
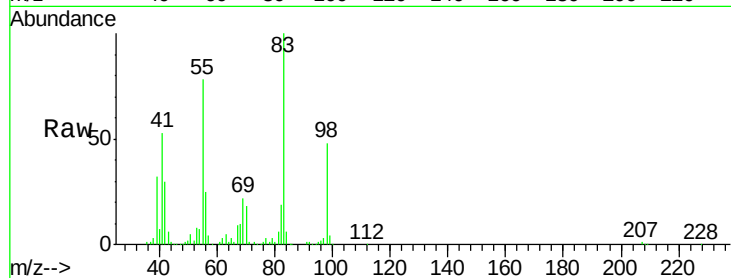
#39
Methylvlcyclohexane
Concen: 19.948 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW008906.D
Acq: 01 Mar 2019 01:20

Instrument :
MSVOA_W
ClientSampleId :
VW0228SBS02

Tot Ion	Ratio	Lower	Upper
83	100		
55	78.2	61.2	91.8
98	47.8	39.4	59.2

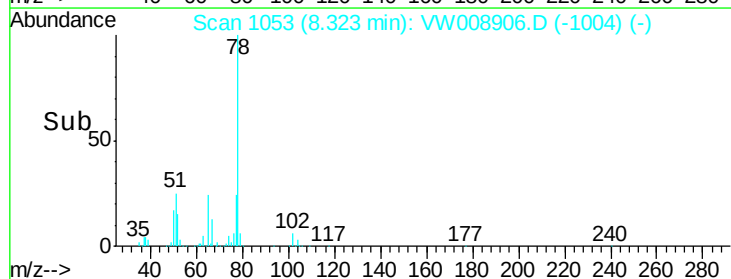
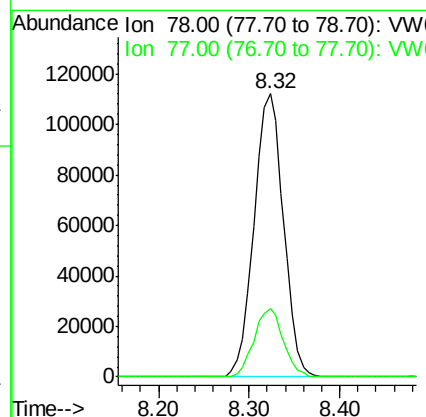
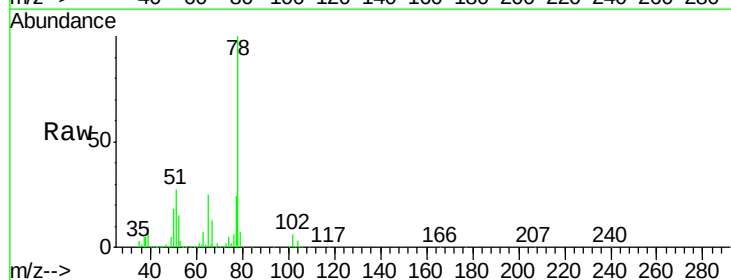
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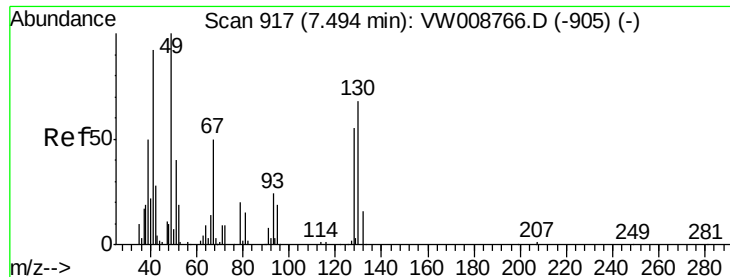
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#40
Benzene
Concen: 22.260 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW008906.D
Acq: 01 Mar 2019 01:20

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	19.3	28.9





#41

Methacrylonitrile

Concen: 19.090 ug/l

RT: 7.48 min Scan# 914

Delta R.T. -0.02 min

Lab File: VW008906.D

Acq: 01 Mar 2019 01:20

Instrument :

MSVOA_W

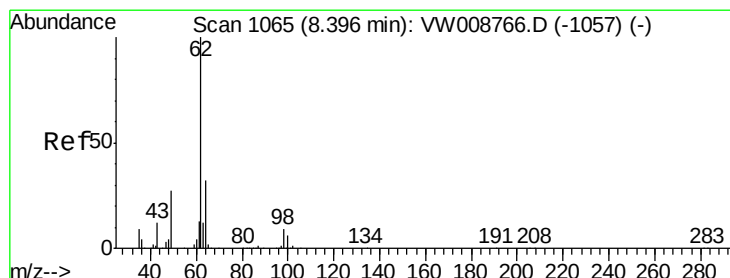
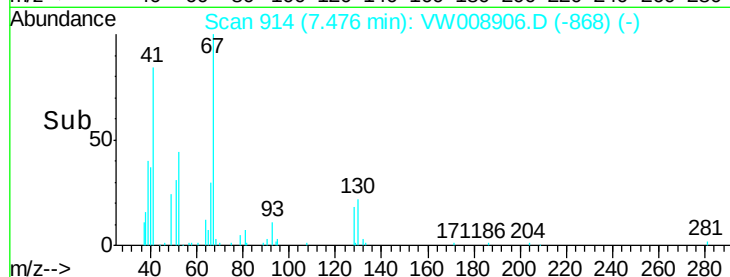
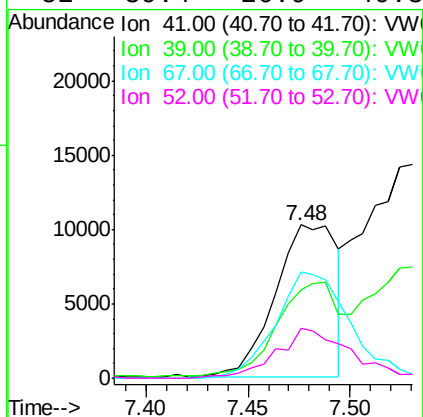
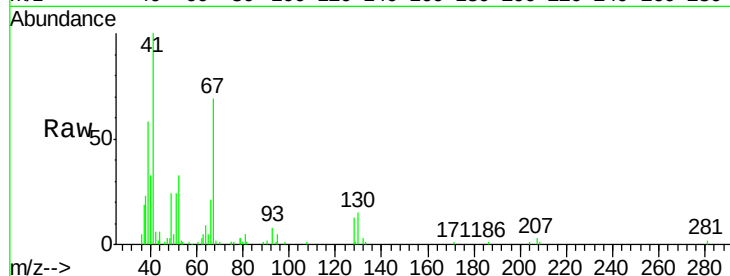
ClientSampleId :

VW0228SBS02

Tot Ion:	41	Resp:	21573
Ion	Ratio	Lower	Upper
41	100		
39	66.8	52.5	78.7
67	83.8	55.0	82.6#
52	39.4	26.9	40.3

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#42

1,2-Dichloroethane

Concen: 23.248 ug/l

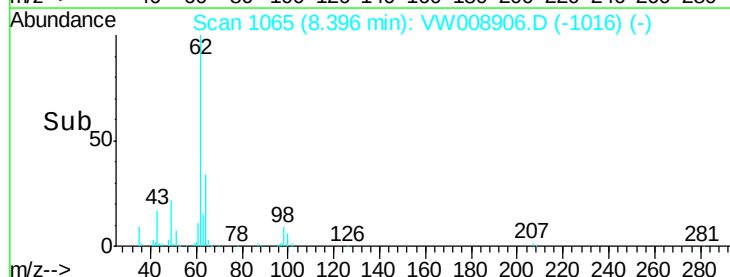
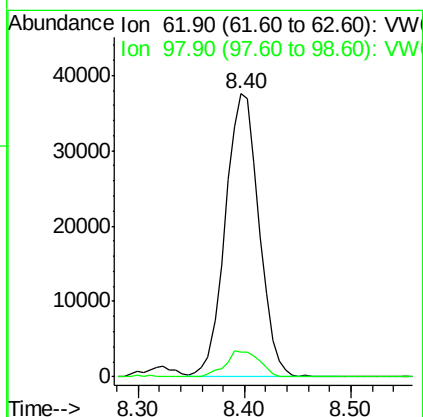
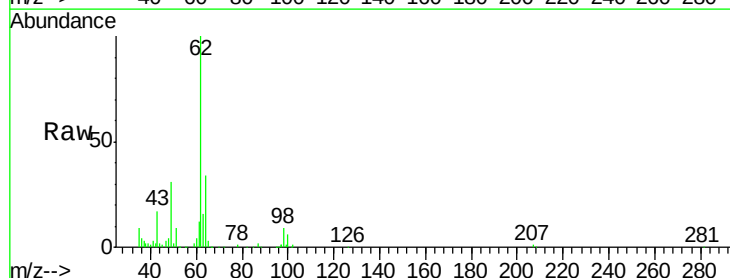
RT: 8.40 min Scan# 1065

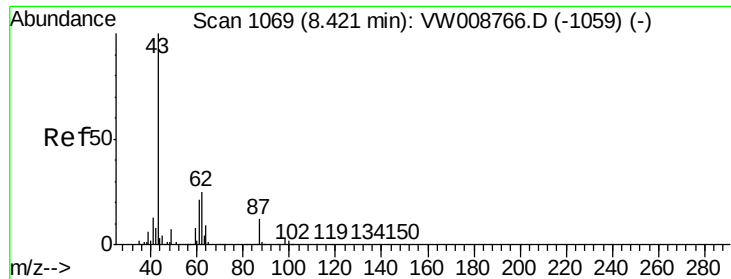
Delta R.T. -0.00 min

Lab File: VW008906.D

Acq: 01 Mar 2019 01:20

Tgt Ion:	62	Resp:	83131
Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	18.2





#43

Isopropyl Acetate

Concen: 22.531 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW008906.D

Acq: 01 Mar 2019 01:20

Instrument :

MSVOA_W

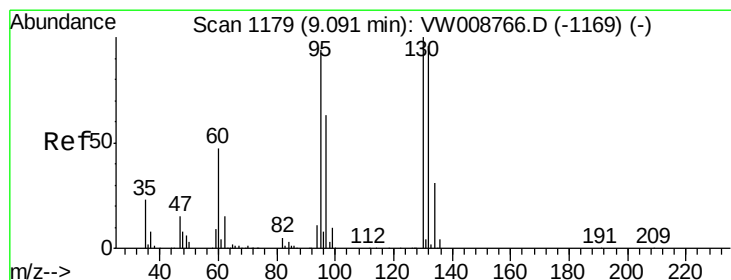
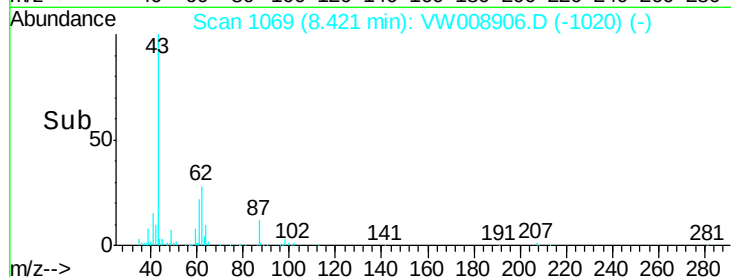
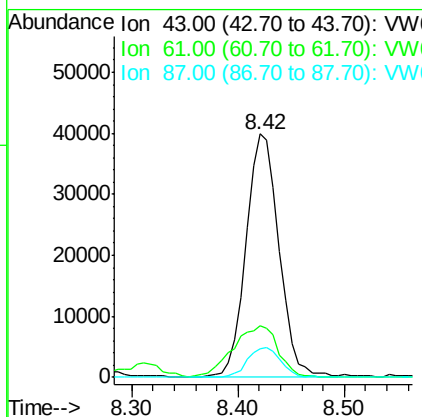
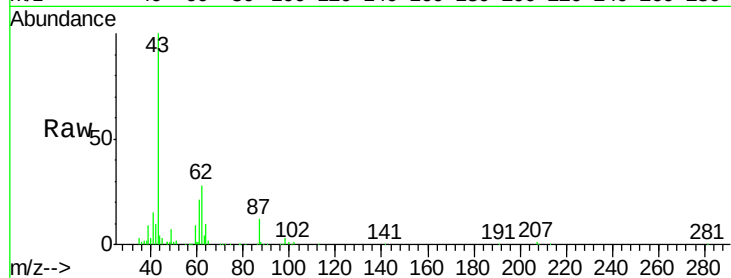
ClientSampleId :

VW0228SBS02

Tot Ion:	43	Resp:	86454
Ion	Ratio	Lower	Upper
43	100		
61	29.1	23.2	34.8
87	12.4	9.9	14.9

Manual Integrations
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3/1/2019 2:57:24 PM



#44

Trichloroethene

Concen: 22.236 ug/l

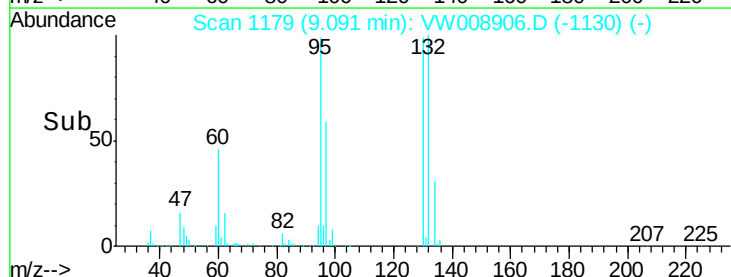
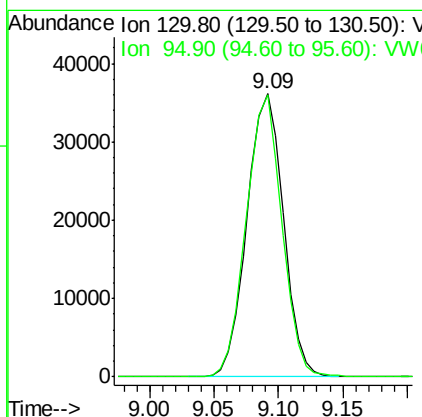
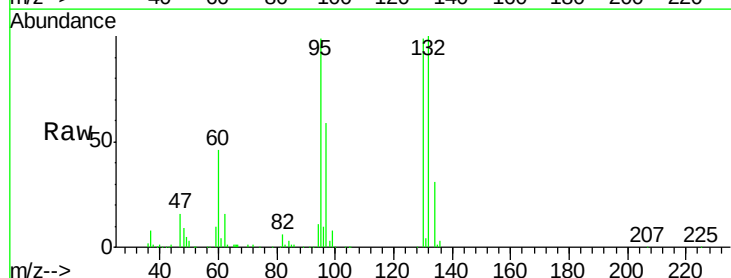
RT: 9.09 min Scan# 1179

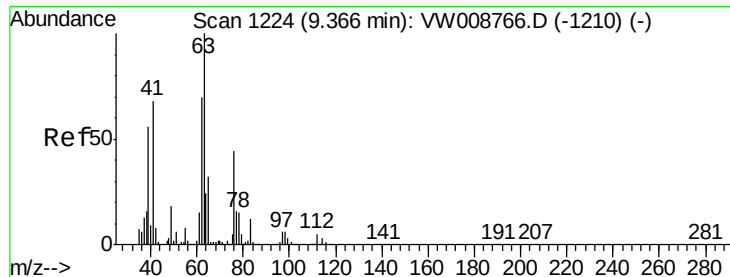
Delta R.T. -0.00 min

Lab File: VW008906.D

Acq: 01 Mar 2019 01:20

Tgt Ion:	130	Resp:	70707
Ion	Ratio	Lower	Upper
130	100		
95	99.5	0.0	188.6





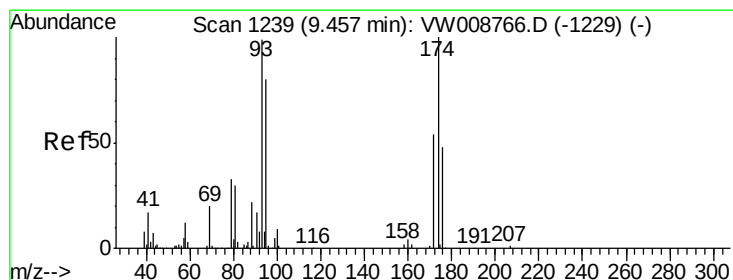
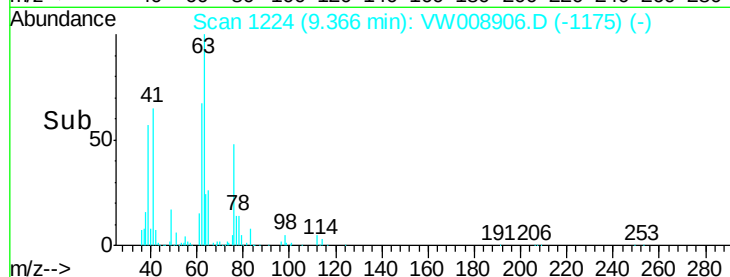
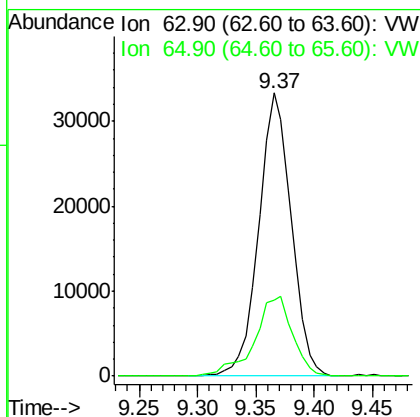
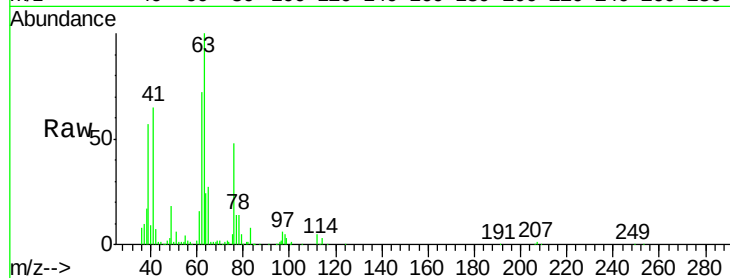
#45
 1,2-Dichloropropane
 Concen: 23.069 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW008906.D
 Acq: 01 Mar 2019 01:20

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0228SBS02

Tot Ion	Ratio	Lower	Upper
63	100		
65	26.9	25.5	38.3

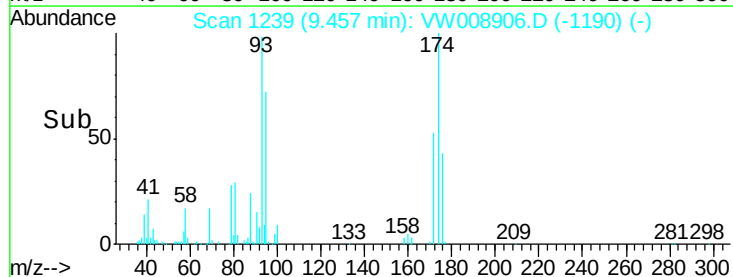
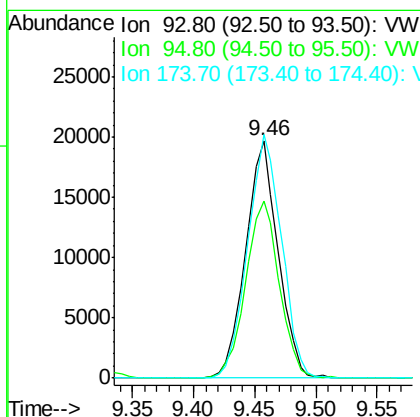
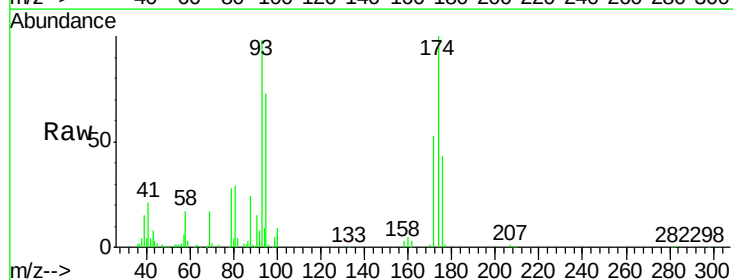
Manual Integrations
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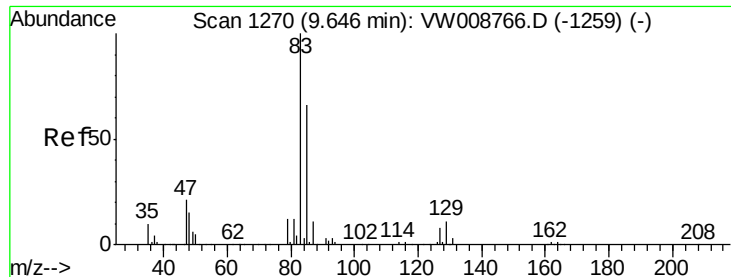
MMDadoda
 3/1/2019 2:57:24 PM



#46
 Dibromomethane
 Concen: 23.407 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW008906.D
 Acq: 01 Mar 2019 01:20

Tgt Ion	Ratio	Lower	Upper
93	100		
95	77.5	67.7	101.5
174	107.2	86.7	130.1





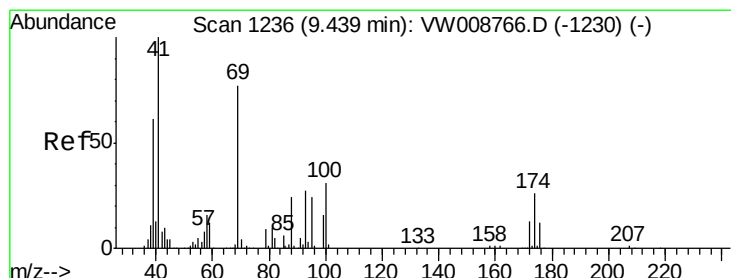
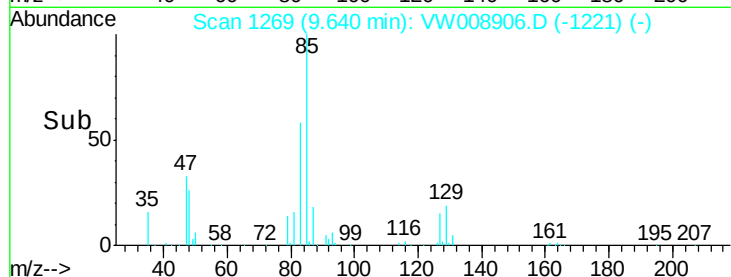
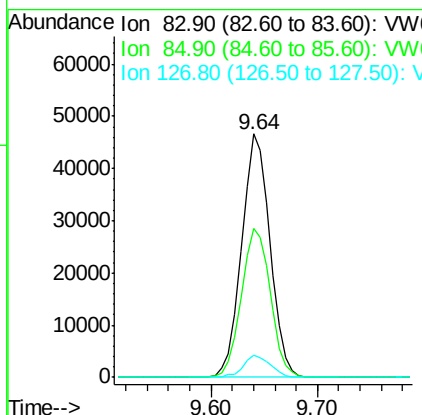
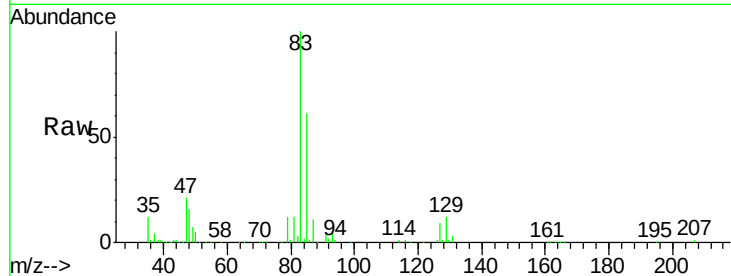
#47
Bromodichloromethane
Concen: 23.125 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. -0.01 min
Lab File: VW008906.D
Acq: 01 Mar 2019 01:20

Instrument :
MSVOA_W
ClientSampleId :
VW0228SBSD02

Tot Ion	83	Resp	87297
Ion Ratio	100	Lower	Upper
83	100		
85	61.4	52.5	78.7
127	9.2	6.7	10.1

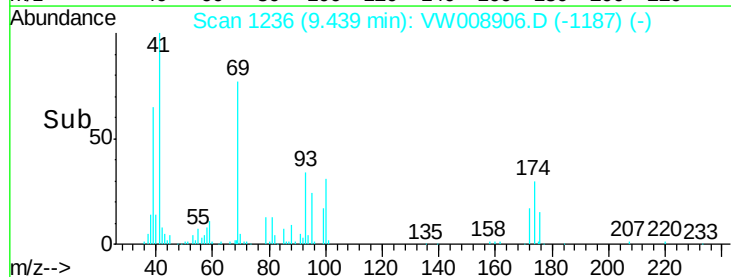
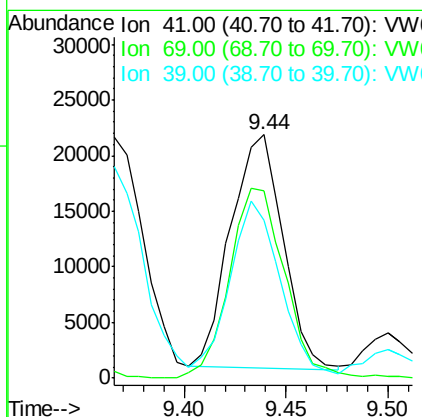
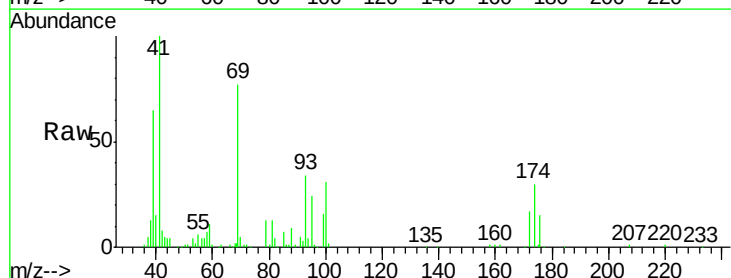
Manual Integrations
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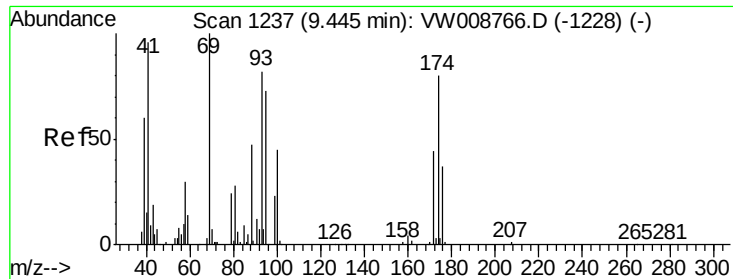
MMDadoda
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#48
Methyl methacrylate
Concen: 20.318 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. -0.00 min
Lab File: VW008906.D
Acq: 01 Mar 2019 01:20

Tgt Ion	41	Resp	37339
Ion Ratio	100	Lower	Upper
41	100		
69	86.3	63.6	95.4
39	74.2	52.1	78.1





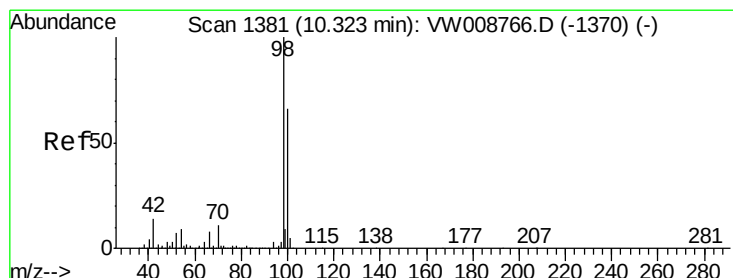
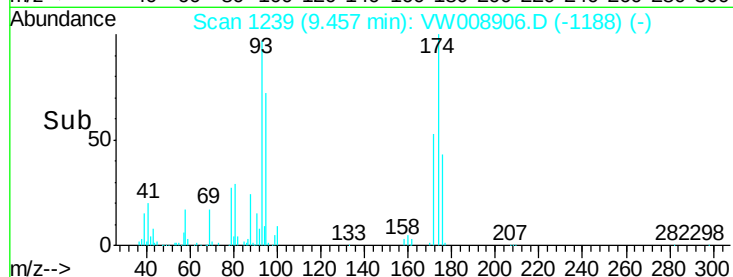
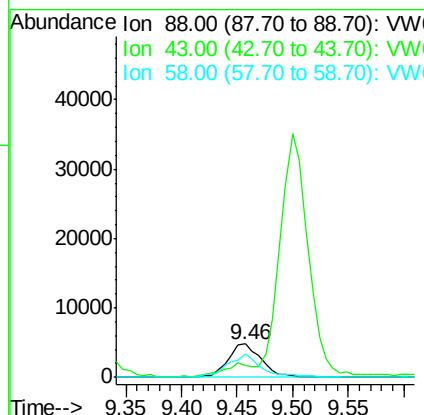
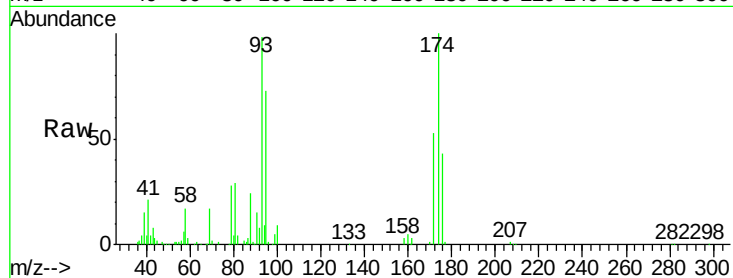
#49
1,4-Dioxane
Concen: 401.577 ug/l
RT: 9.46 min Scan# 1239
Delta R.T. 0.01 min
Lab File: VW008906.D
Acq: 01 Mar 2019 01:20

Instrument :
MSVOA_W
ClientSampleId :
VW0228SBS02

Tot Ion	88	Resp	9978
Ion Ratio	Lower	Upper	
88	100		
43	32.3	29.0	43.4
58	72.4	52.0	78.0

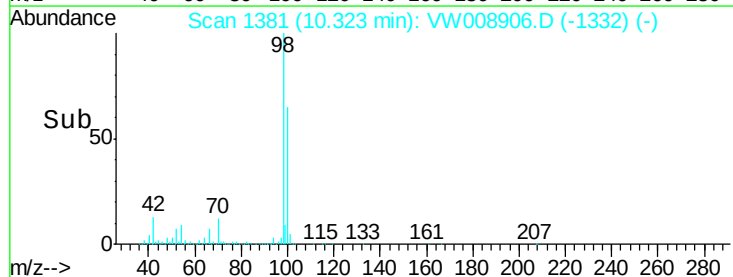
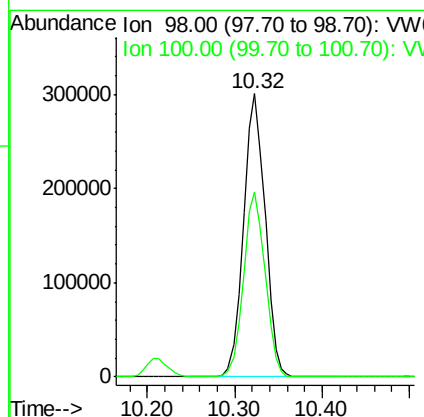
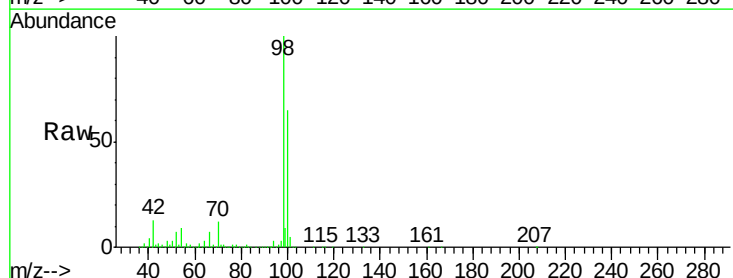
Manual Integrations
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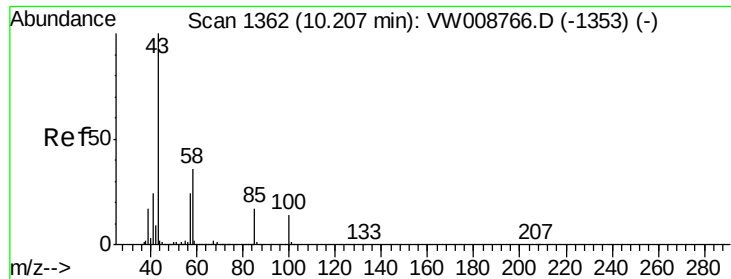
MMDadoda
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#50
Toluene-d8
Concen: 52.411 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW008906.D
Acq: 01 Mar 2019 01:20

Tgt Ion	98	Resp	515923
Ion Ratio	Lower	Upper	
98	100		
100	65.1	52.4	78.6





#51

4-Methyl-2-Pentanone

Concen: 112.591 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW008906.D

Acq: 01 Mar 2019 01:20

Instrument :

MSVOA_W

ClientSampleId :

VW0228SBS02

Tot Ion: 43 Resp: 219334

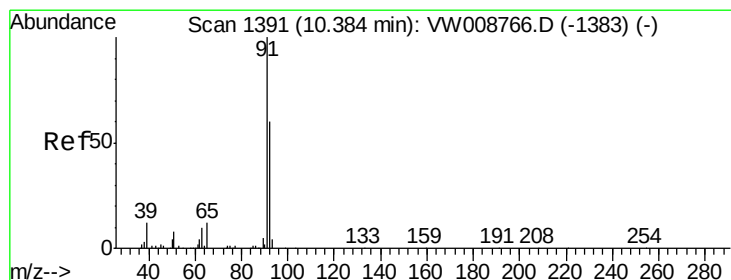
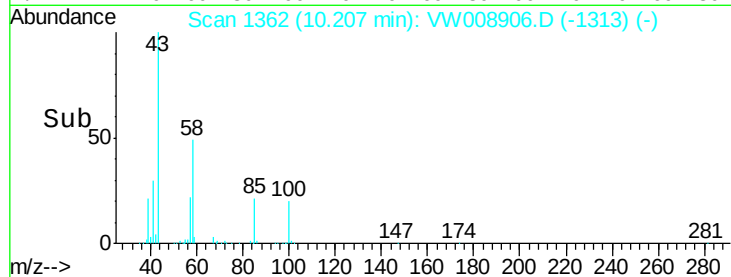
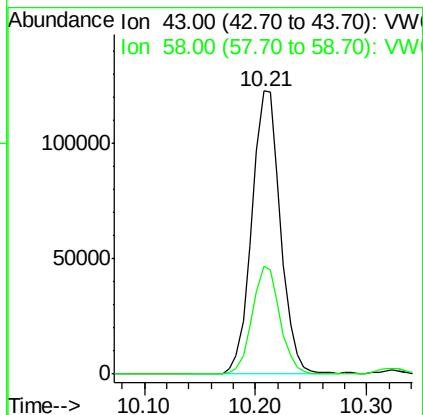
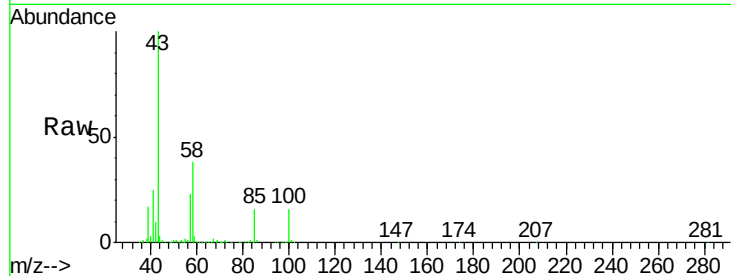
Ion Ratio Lower Upper

43 100

58 37.0 29.1 43.7

Manual Integrations
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#52

Toluene

Concen: 21.023 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW008906.D

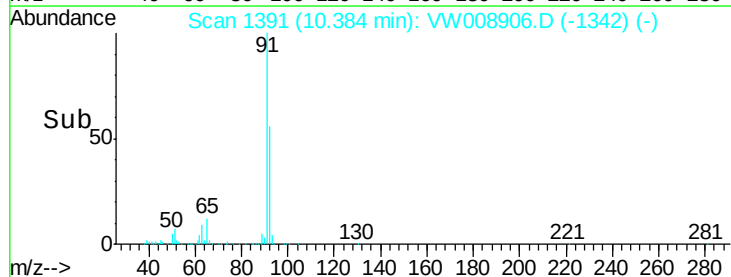
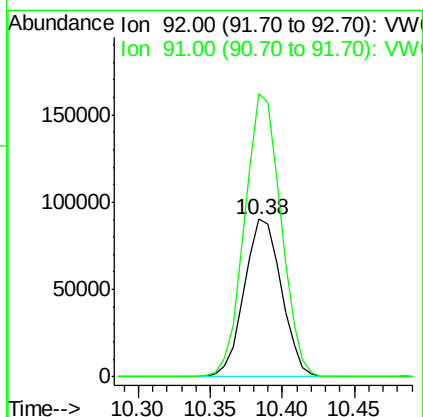
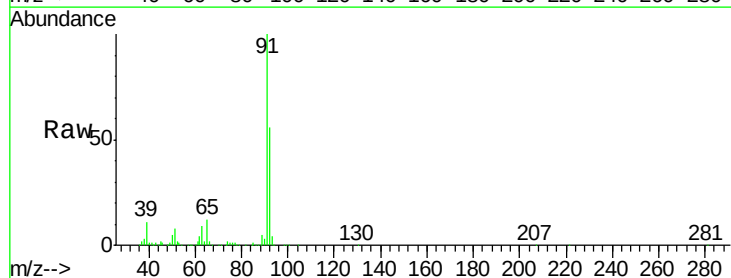
Acq: 01 Mar 2019 01:20

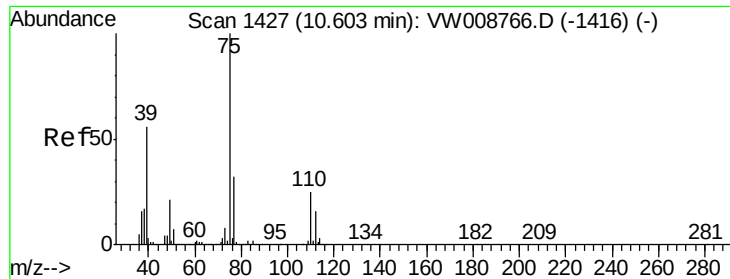
Tgt Ion: 92 Resp: 161054

Ion Ratio Lower Upper

92 100

91 176.0 136.9 205.3





#53

t-1,3-Dichloropropene

Concen: 21.194 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW008906.D

Acq: 01 Mar 2019 01:20

Instrument :

MSVOA_W

ClientSampleId :

VW0228SBS02

Tot Ion: 75 Resp: 81547

Ion Ratio Lower Upper

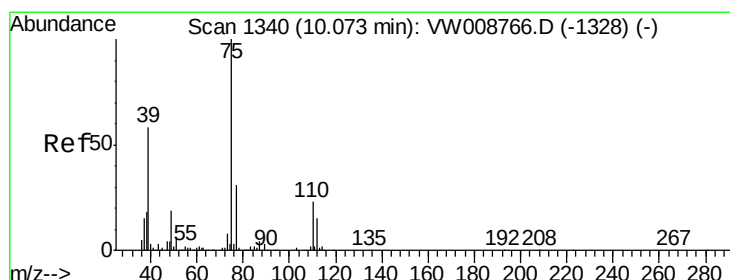
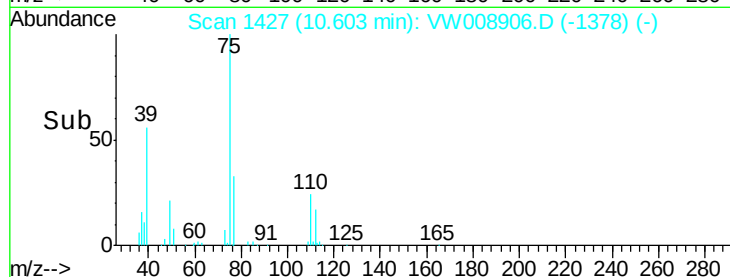
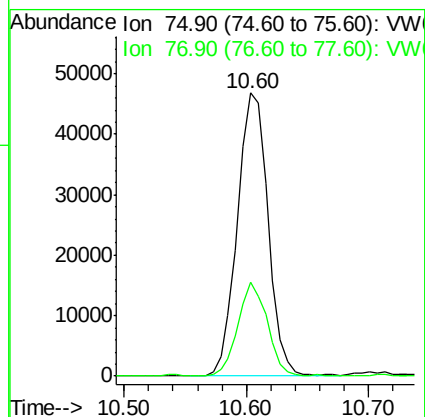
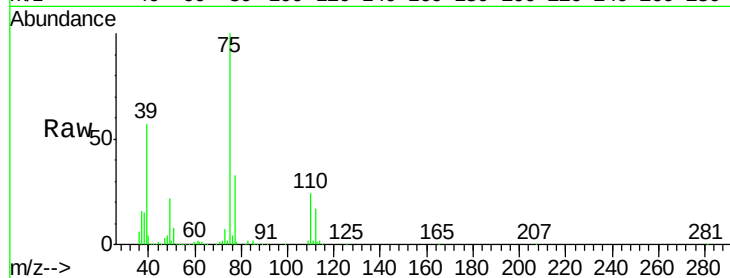
75 100

77 33.1 26.1 39.1

Manual Integrations
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#54

cis-1,3-Dichloropropene

Concen: 22.179 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW008906.D

Acq: 01 Mar 2019 01:20

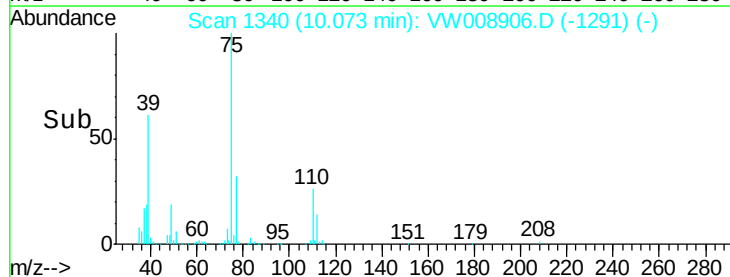
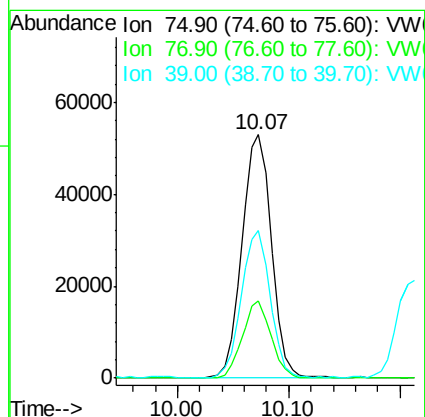
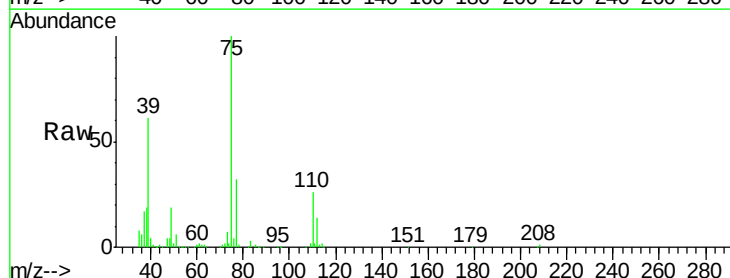
Tgt Ion: 75 Resp: 97329

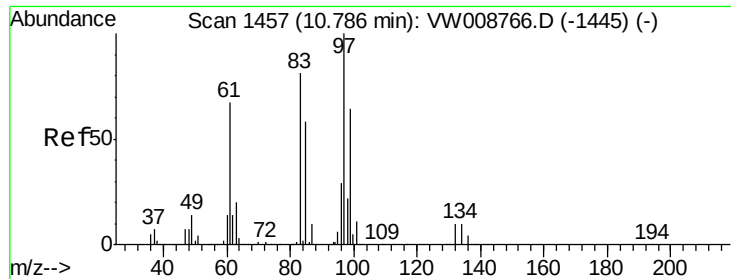
Ion Ratio Lower Upper

75 100

77 31.8 25.0 37.4

39 60.6 46.6 70.0





#55

1,1,2-Trichloroethane

Concen: 23.811 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW008906.D

Acq: 01 Mar 2019 01:20

Instrument :

MSVOA_W

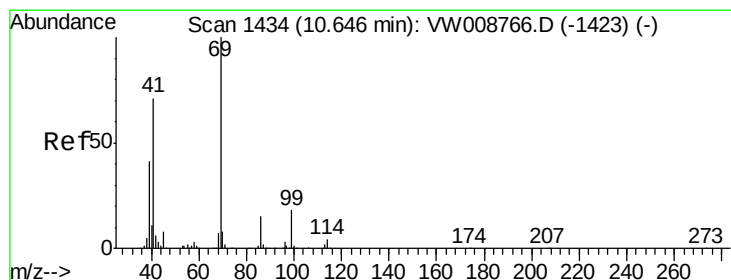
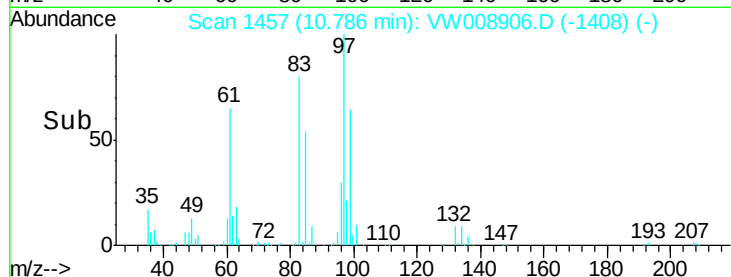
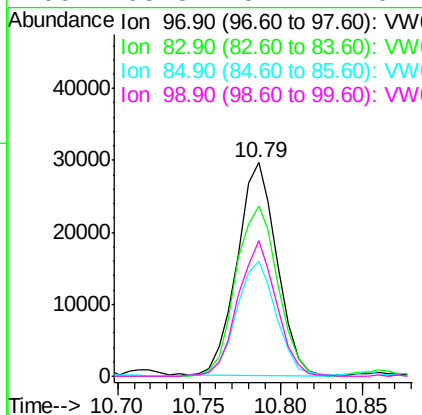
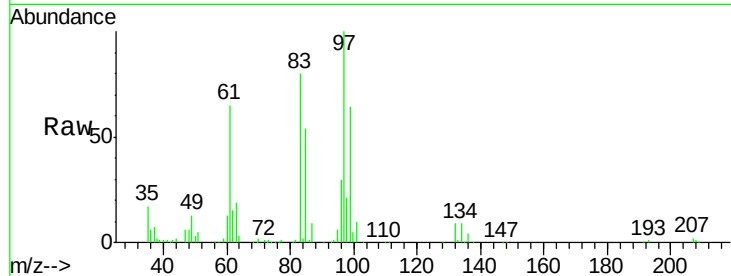
ClientSampleId :

VW0228SBS02

Tot Ion:	97	Resp:	50103
Ion	Ratio	Lower	Upper
97	100		
83	80.2	65.0	97.6
85	53.9	46.0	69.0
99	63.8	51.1	76.7

Manual Integrations
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#56

Ethyl methacrylate

Concen: 21.793 ug/l

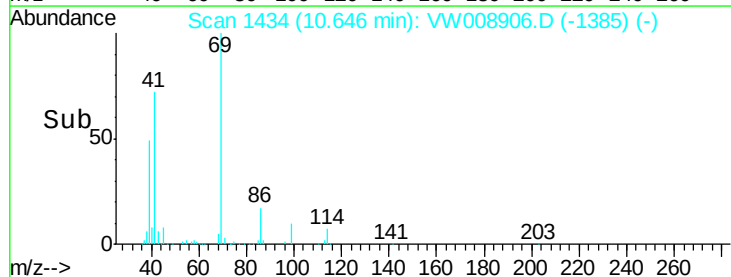
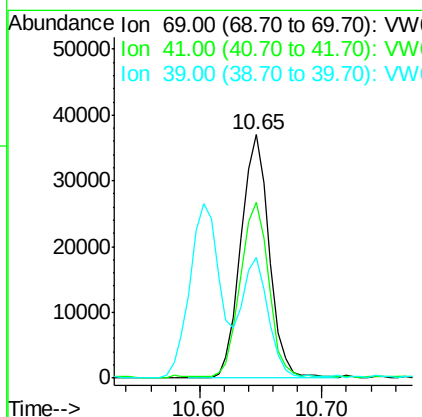
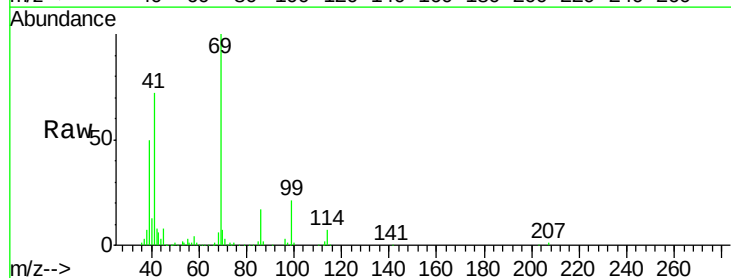
RT: 10.65 min Scan# 1434

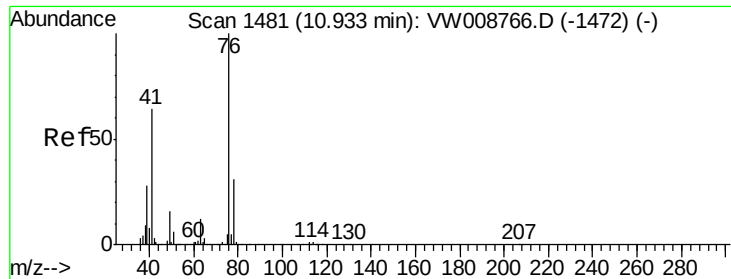
Delta R.T. -0.00 min

Lab File: VW008906.D

Acq: 01 Mar 2019 01:20

Tgt Ion:	69	Resp:	59578
Ion	Ratio	Lower	Upper
69	100		
41	71.7	57.4	86.0
39	43.1	34.8	52.2





#57

1,3-Dichloropropane

Concen: 22.923 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

Lab File: VW008906.D

Acq: 01 Mar 2019 01:20

Instrument :

MSVOA_W

ClientSampleId :

VW0228SBS02

Tot Ion: 76 Resp: 85164

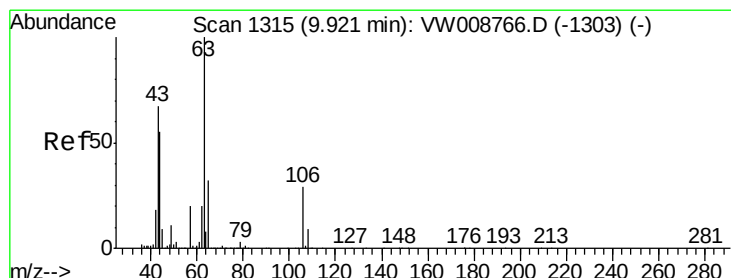
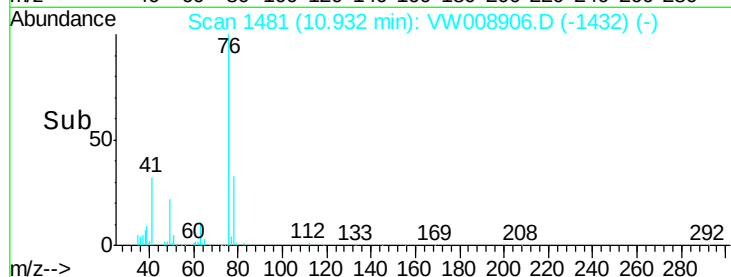
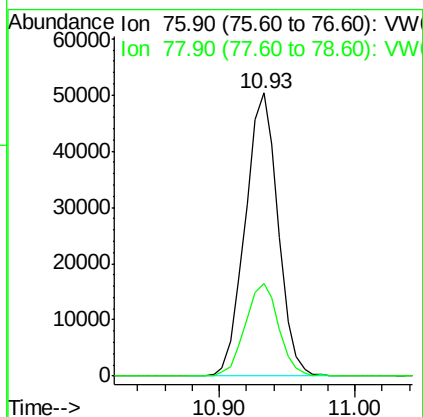
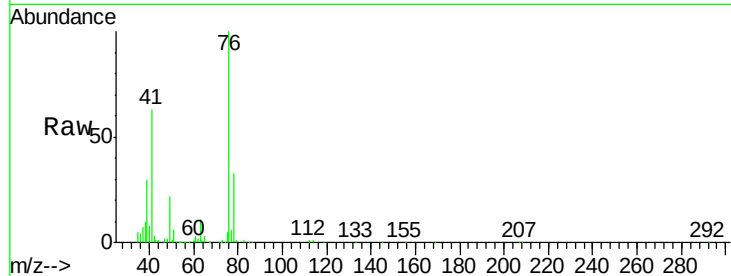
Ion Ratio Lower Upper

76 100

78 33.3 25.8 38.8

Manual Integrations
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#58

2-Chloroethyl Vinyl ether

Concen: 120.800 ug/l

RT: 9.93 min Scan# 1316

Delta R.T. 0.01 min

Lab File: VW008906.D

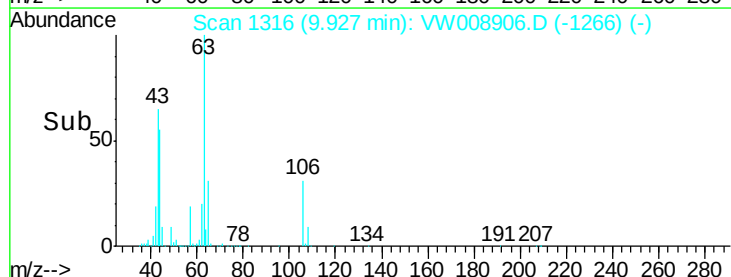
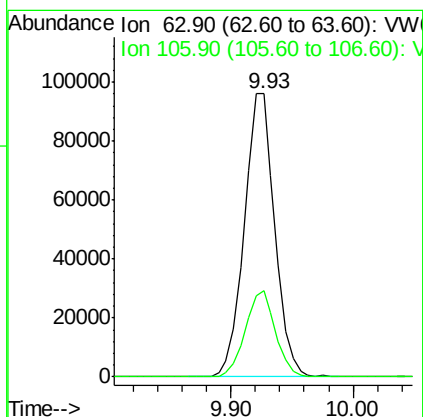
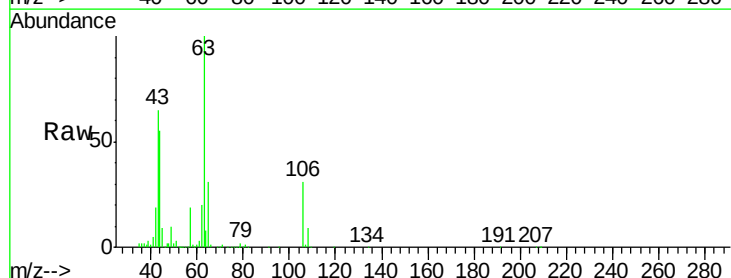
Acq: 01 Mar 2019 01:20

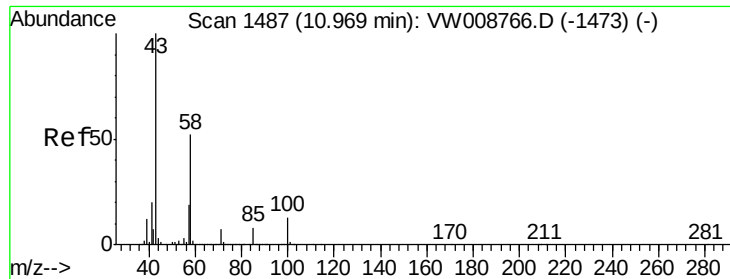
Tgt Ion: 63 Resp: 166092

Ion Ratio Lower Upper

63 100

106 30.1 24.0 36.0





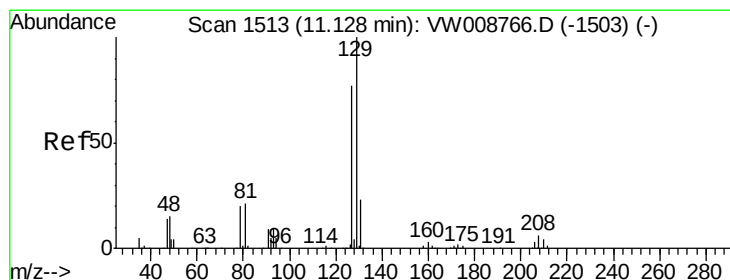
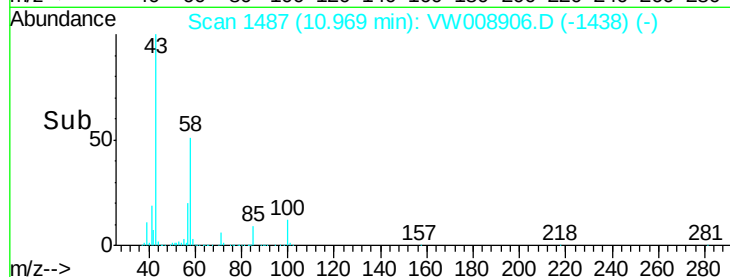
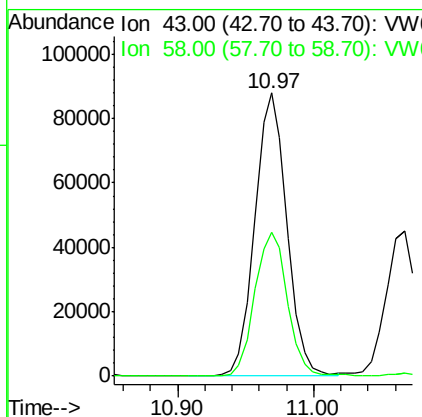
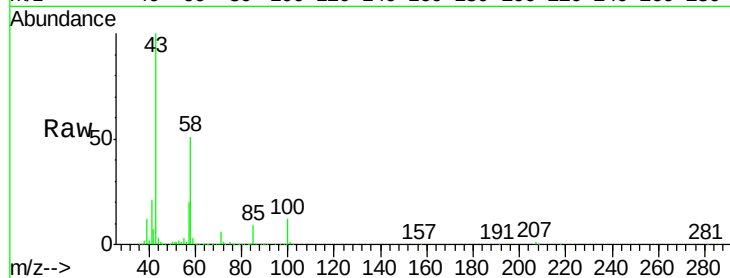
#59
2-Hexanone
Concen: 104.675 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW008906.D
Acq: 01 Mar 2019 01:20

Instrument :
MSVOA_W
ClientSampleId :
VW0228SBSD02

Tot Ion: 43 Resp: 145153
Ion Ratio Lower Upper
43 100
58 52.0 25.3 75.8

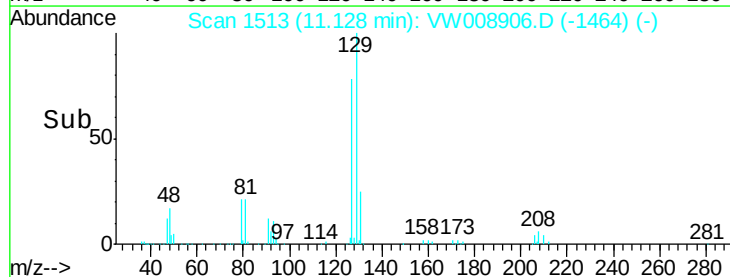
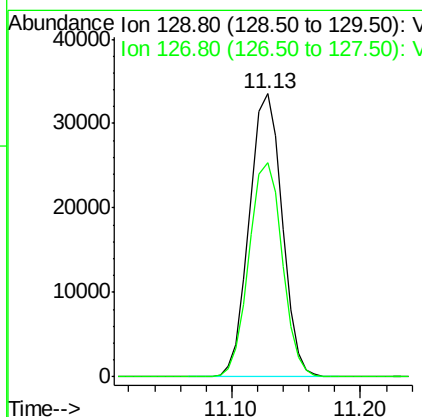
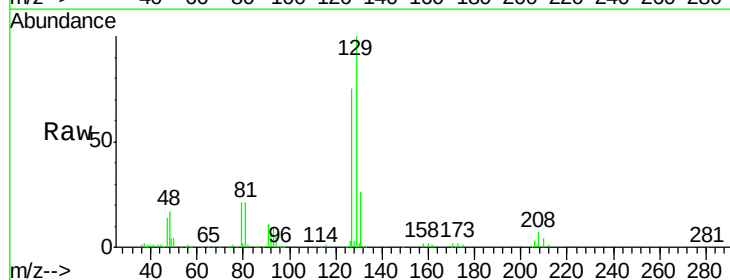
Manual Integrations
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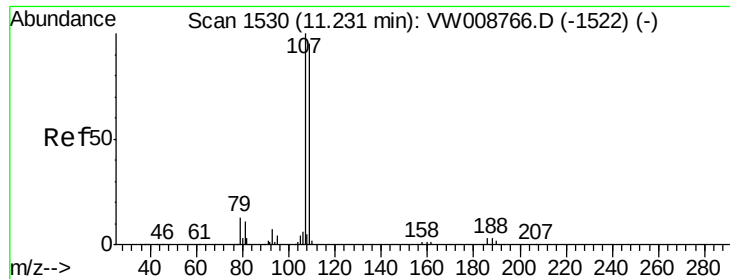
MMDadoda
3/1/2019 2:57:24 PM



#60
Dibromochloromethane
Concen: 23.042 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW008906.D
Acq: 01 Mar 2019 01:20

Tgt Ion: 129 Resp: 59139
Ion Ratio Lower Upper
129 100
127 76.6 39.0 116.9





#61

1,2-Dibromoethane

Concen: 22.996 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. 0.01 min

Lab File: VW008906.D

Acq: 01 Mar 2019 01:20

Instrument :

MSVOA_W

ClientSampleId :

VW0228SBS02

Tot Ion: 107 Resp: 47896

Ion Ratio Lower Upper

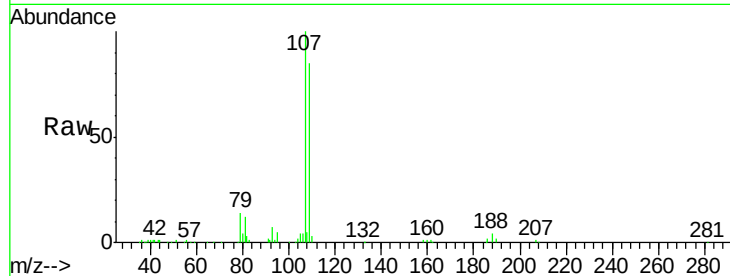
107 100

109 93.9 75.6 113.4

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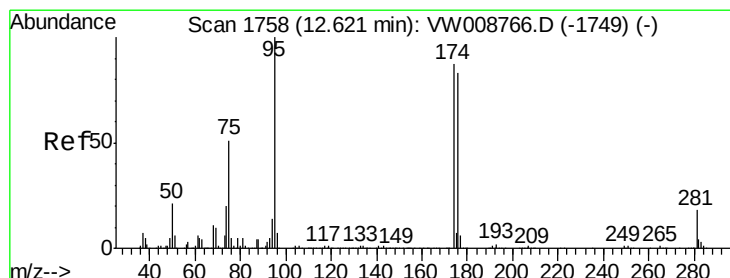
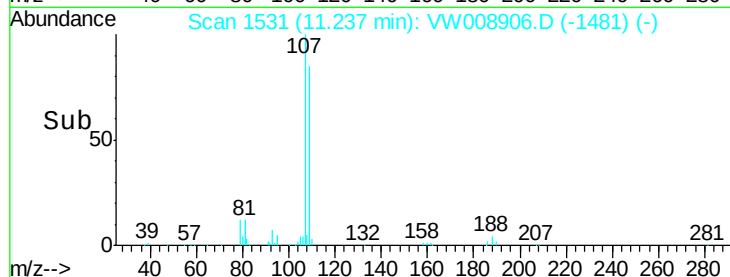
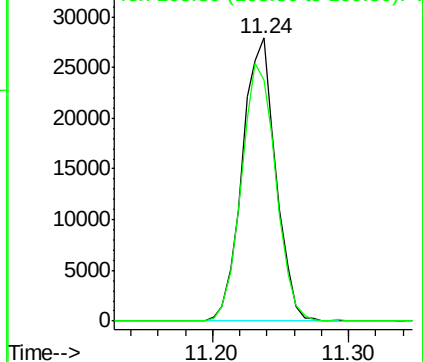
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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 51.711 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.01 min

Lab File: VW008906.D

Acq: 01 Mar 2019 01:20

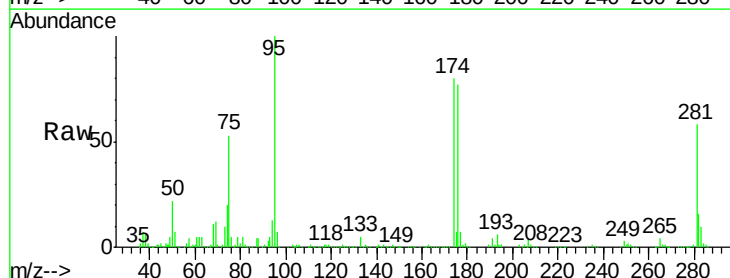
Tgt Ion: 95 Resp: 199310

Ion Ratio Lower Upper

95 100

174 86.2 0.0 169.2

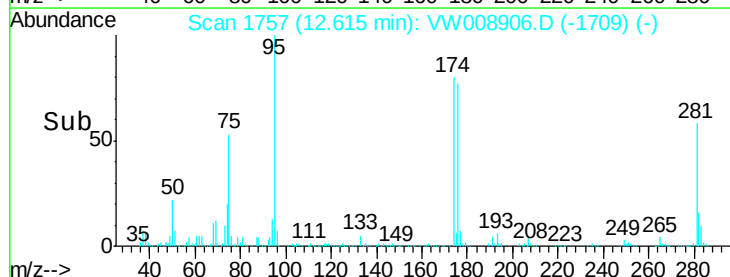
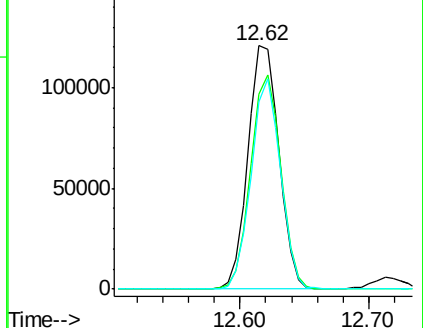
176 82.2 0.0 163.6

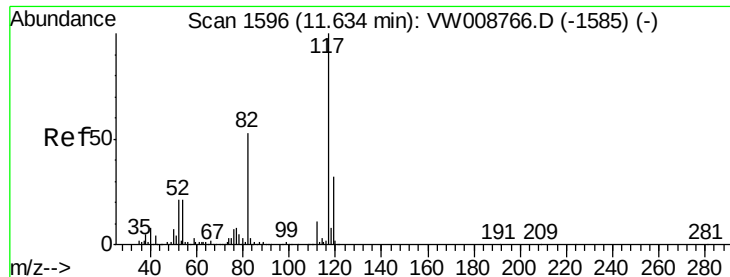


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





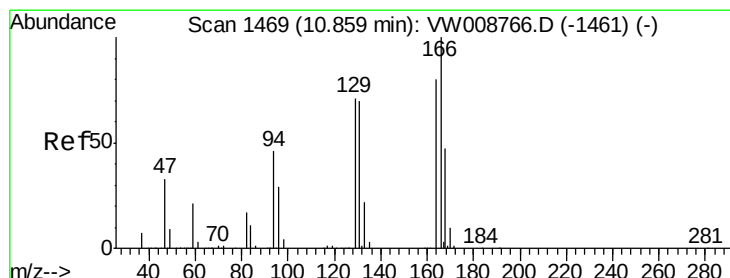
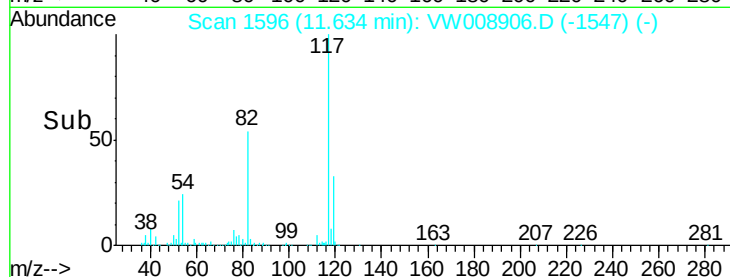
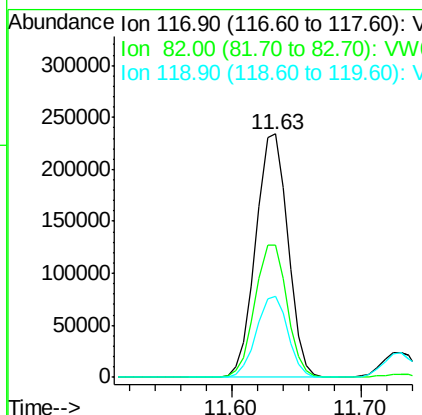
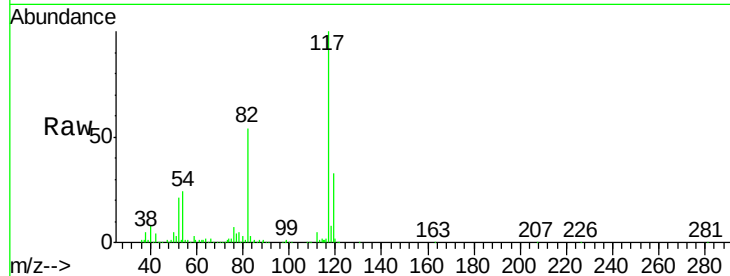
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW008906.D
Acq: 01 Mar 2019 01:20

Instrument :
MSVOA_W
ClientSampleId :
VW0228SBSD02

Tot Ion	Ratio	Resp	Lower	Upper
117	100	404555		
82	54.1		42.2	63.4
119	33.2		25.9	38.9

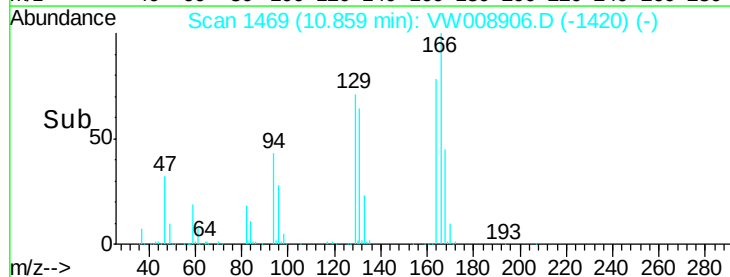
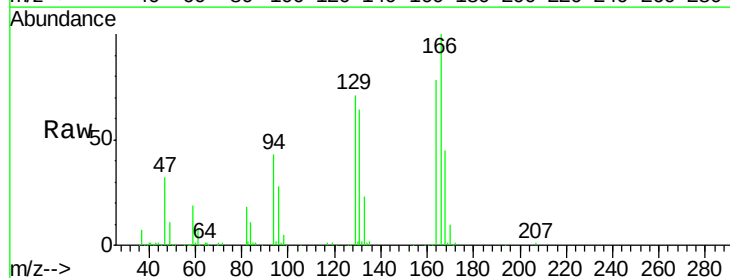
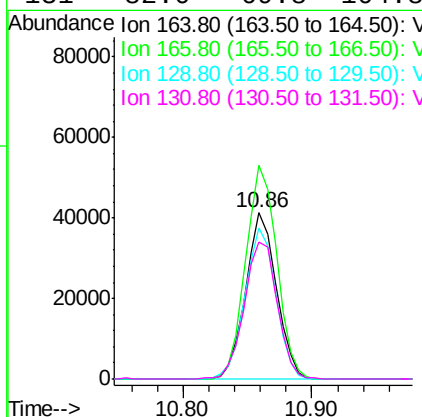
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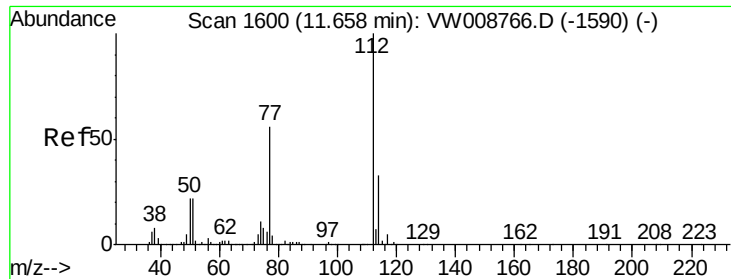
MMDadoda
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#64
Tetrachloroethene
Concen: 23.522 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW008906.D
Acq: 01 Mar 2019 01:20

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	68118		
166	128.4		99.5	149.3
129	91.1		71.1	106.7
131	82.0		69.8	104.8





#65

Chlorobenzene

Concen: 21.592 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW008906.D

Acq: 01 Mar 2019 01:20

Instrument :

MSVOA_W

ClientSampleId :

VW0228SBS02

Tot Ion:112 Resp: 183679

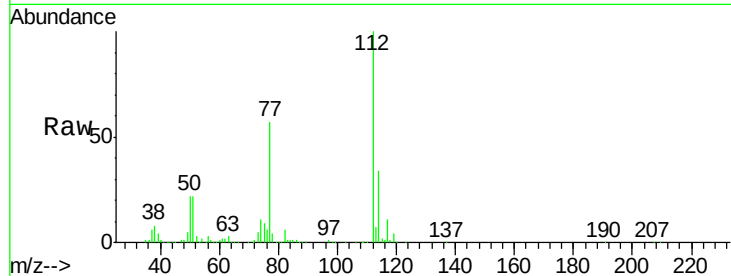
Ion Ratio Lower Upper

112 100

114 33.9 26.6 40.0

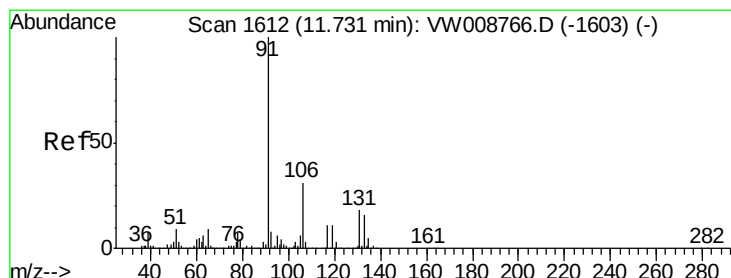
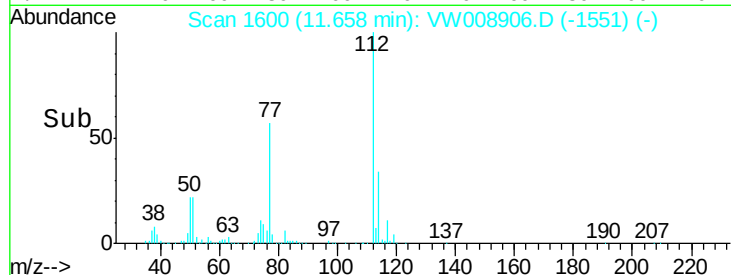
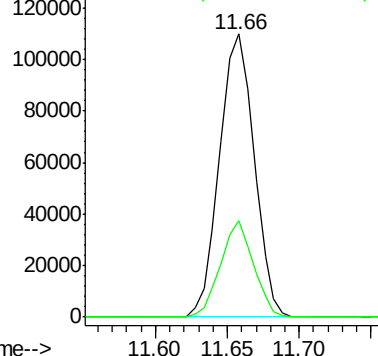
Manual Integrations
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 21.867 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW008906.D

Acq: 01 Mar 2019 01:20

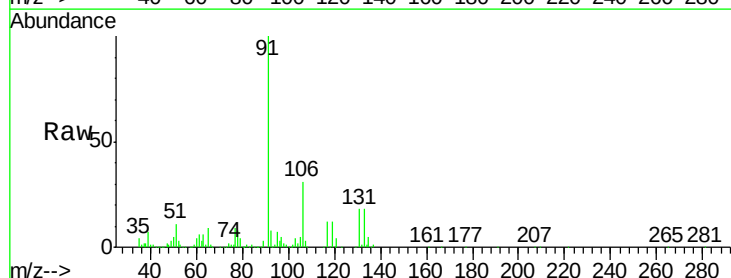
Tgt Ion:131 Resp: 62897

Ion Ratio Lower Upper

131 100

133 94.8 46.7 140.0

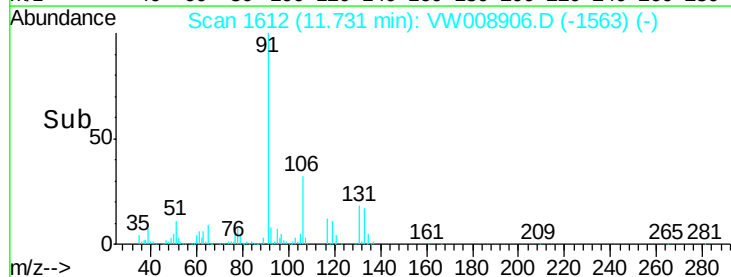
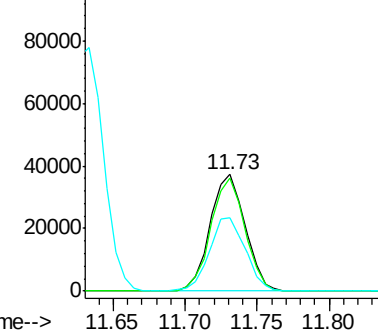
119 64.4 30.8 92.4

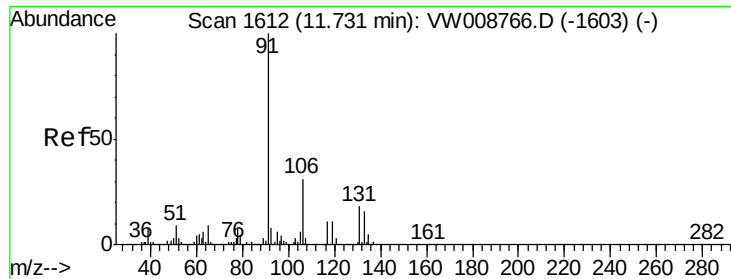


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 21.196 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW008906.D

Acq: 01 Mar 2019 01:20

Instrument :

MSVOA_W

ClientSampleId :

VW0228SBS02

Tot Ion: 91 Resp: 322325

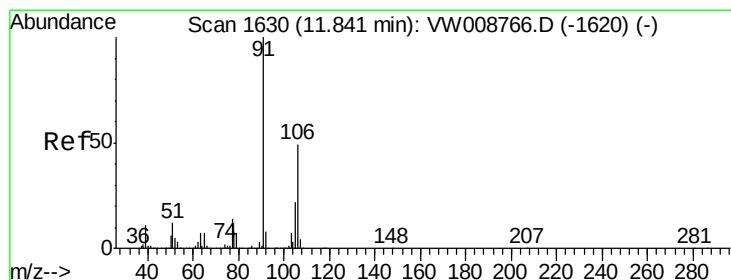
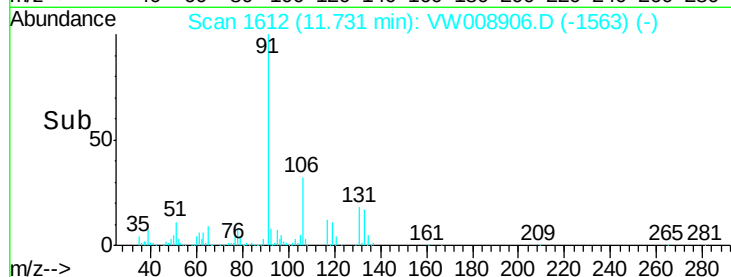
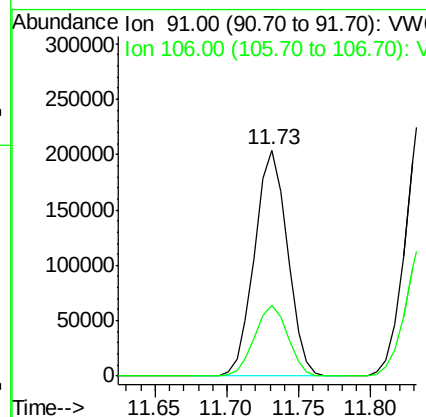
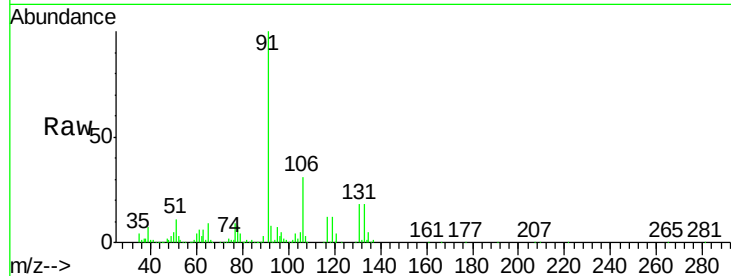
Ion Ratio Lower Upper

91 100

106 31.5 25.0 37.6

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#68

m/p-Xylenes

Concen: 41.885 ug/l

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW008906.D

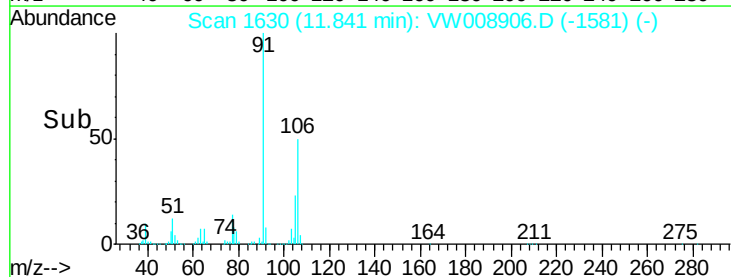
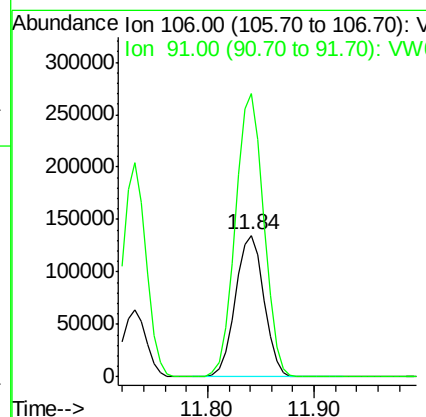
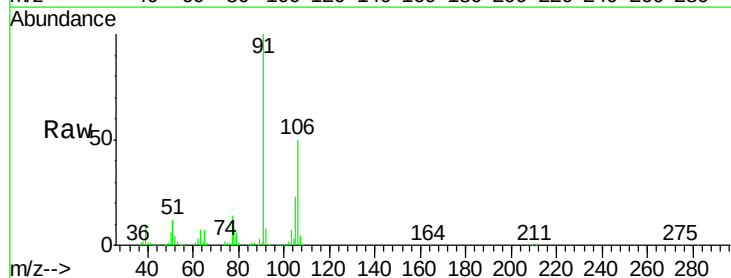
Acq: 01 Mar 2019 01:20

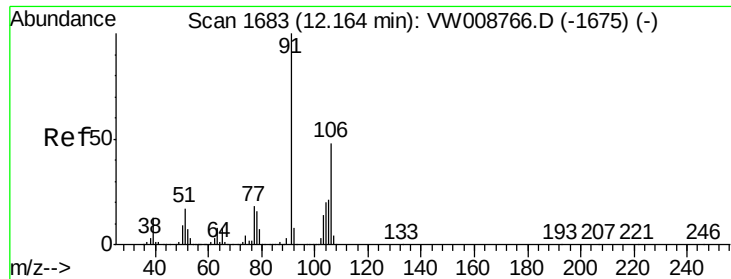
Tgt Ion: 106 Resp: 254493

Ion Ratio Lower Upper

106 100

91 198.3 161.5 242.3





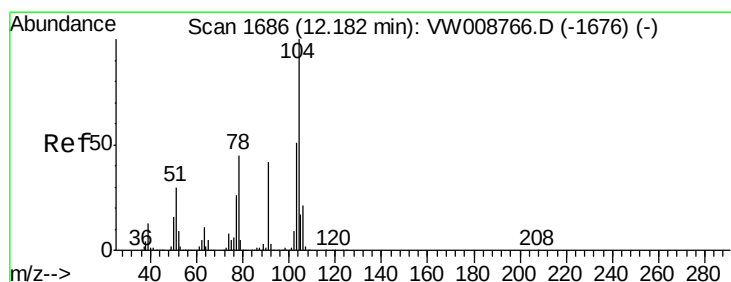
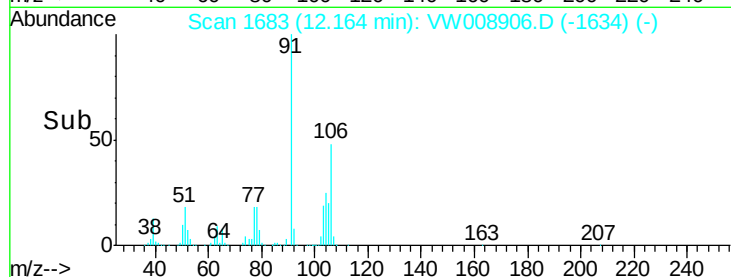
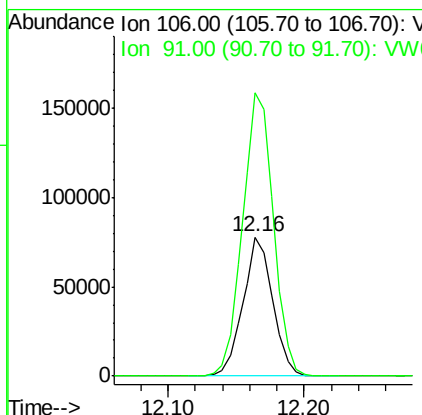
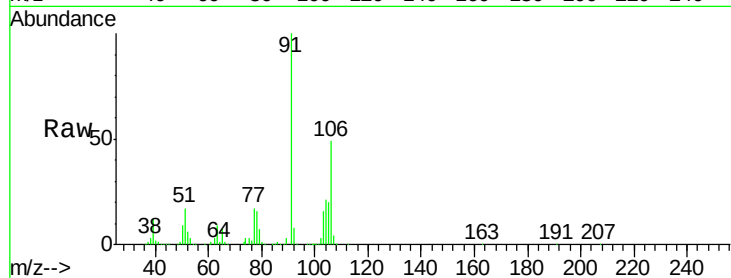
#69
o-Xylene
Concen: 20.786 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW008906.D
Acq: 01 Mar 2019 01:20

Instrument :
MSVOA_W
ClientSampleId :
VW0228SBS02

Tot Ion	Ion	Ratio	Lower	Upper
106	106	100		
91	91	212.6	106.2	318.6

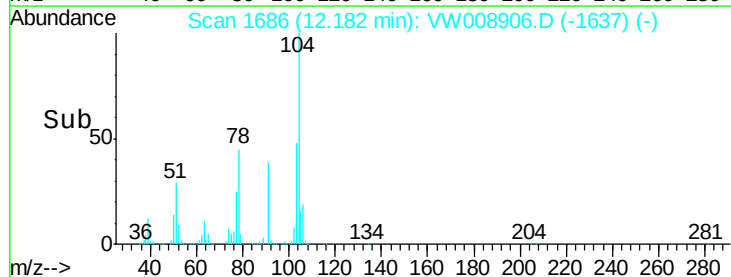
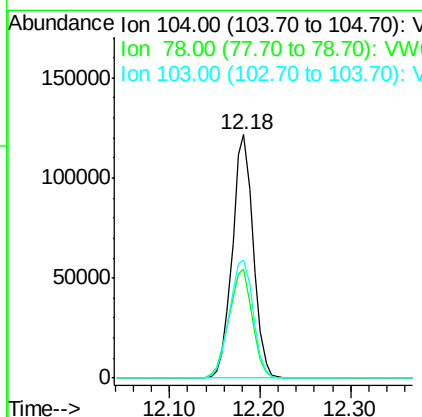
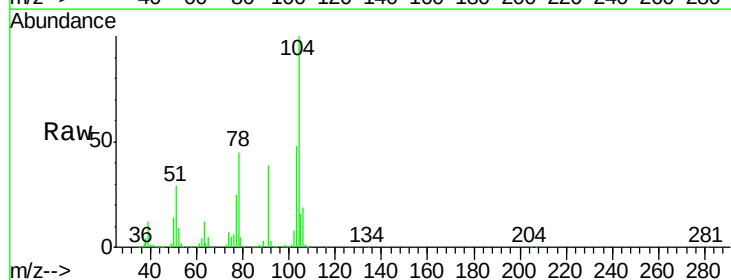
Manual Integrations
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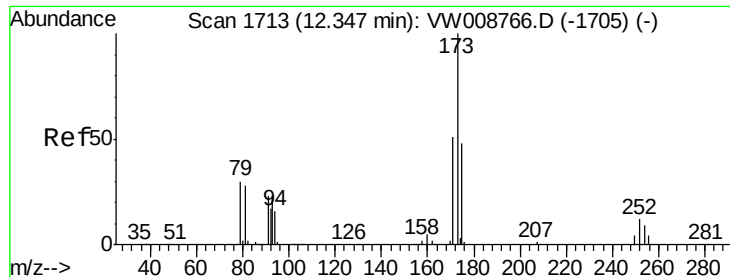
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#70
Styrene
Concen: 21.227 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW008906.D
Acq: 01 Mar 2019 01:20

Tgt Ion	Ion	Ratio	Lower	Upper
104	104	100		
78	78	50.5	40.8	61.2
103	103	55.2	44.2	66.2





#71

Bromoform

Concen: 21.645 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW008906.D

Acq: 01 Mar 2019 01:20

Instrument :

MSVOA_W

ClientSampleId :

VW0228SBSD02

Tot Ion:173 Resp: 33466

Ion Ratio Lower Upper

173 100

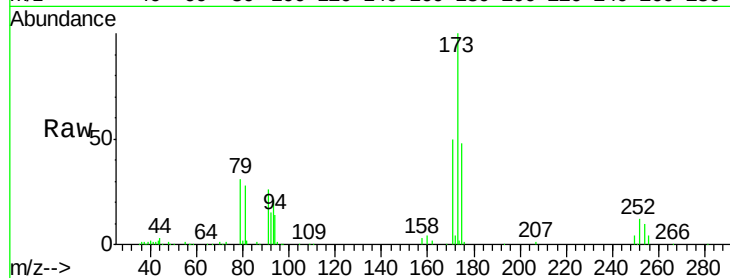
175 49.4 24.2 72.6

254 0.0 0.2 0.4#

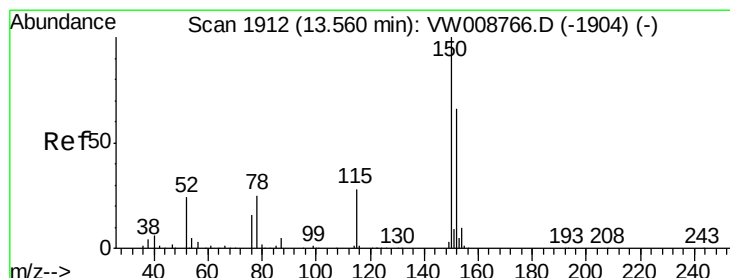
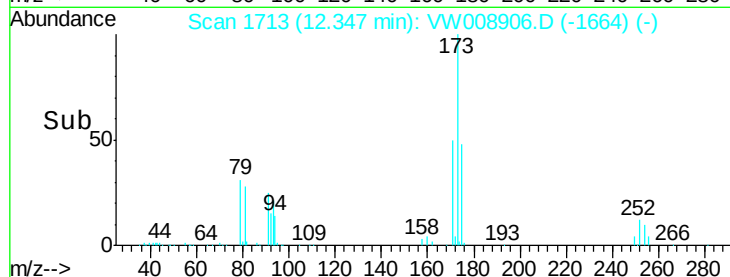
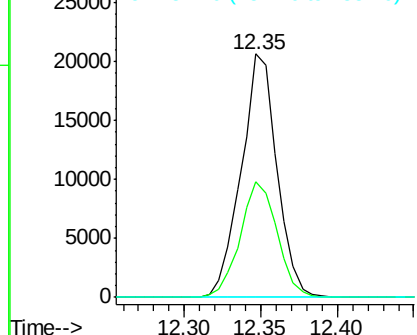
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW008906.D

Acq: 01 Mar 2019 01:20

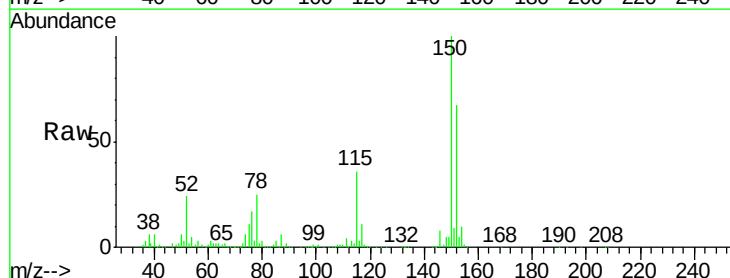
Tgt Ion:152 Resp: 217235

Ion Ratio Lower Upper

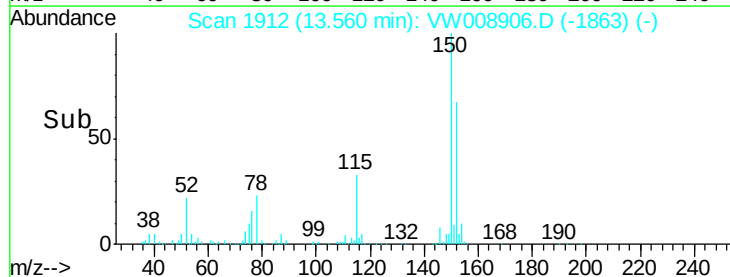
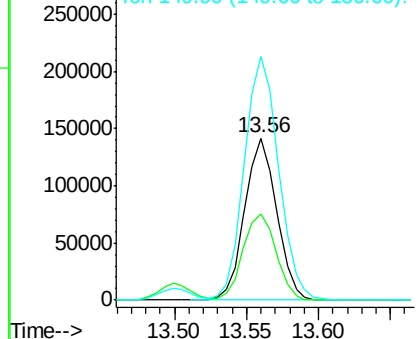
152 100

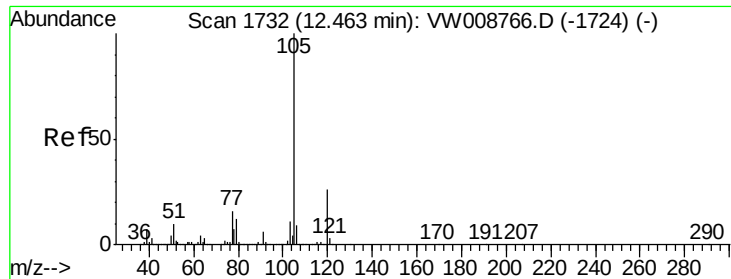
115 55.5 28.6 85.8

150 161.9 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: 21.540 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW008906.D

Acq: 01 Mar 2019 01:20

Instrument :

MSVOA_W

ClientSampleId :

VW0228SBS02

Tot Ion: 105 Resp: 320780

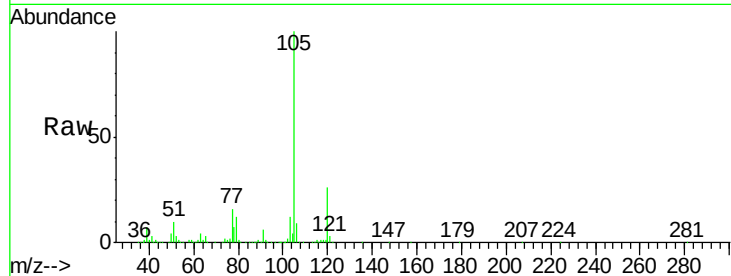
Ion Ratio Lower Upper

105 100

120 26.9 13.3 39.9

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.46

200000

150000

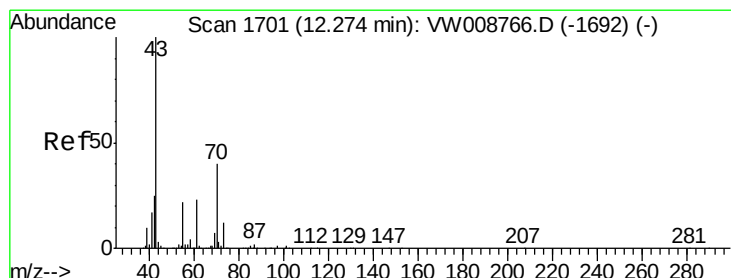
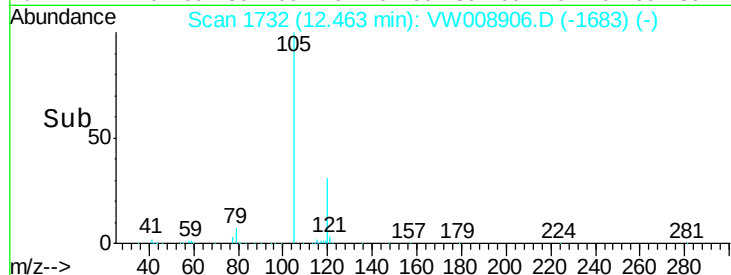
100000

50000

0

Time-->

12.40 12.50



#74

N-ethyl acetate

Concen: 20.998 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW008906.D

Acq: 01 Mar 2019 01:20

Tgt Ion: 43 Resp: 78770

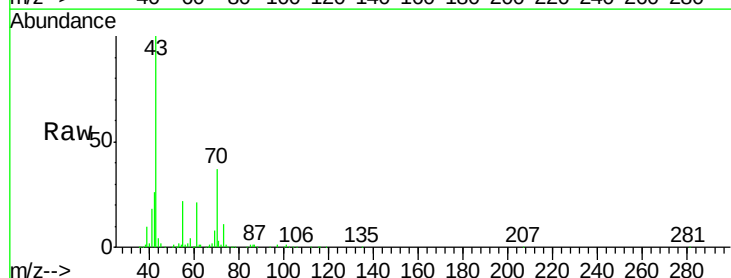
Ion Ratio Lower Upper

43 100

70 38.3 31.0 46.6

55 24.4 18.7 28.1

61 21.2 18.1 27.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW

80000

60000

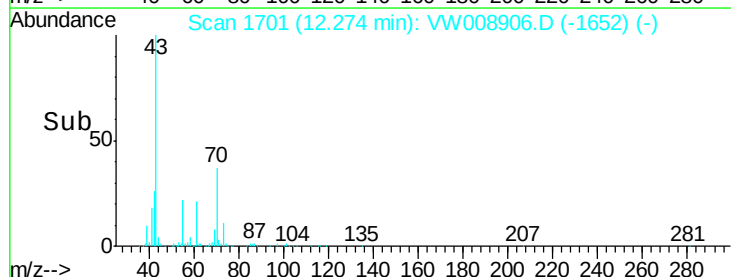
40000

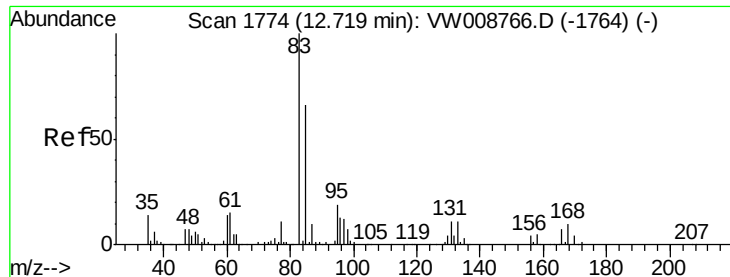
20000

0

Time-->

12.20 12.25 12.30 12.35





#75

1,1,2,2-Tetrachloroethane

Concen: 23.496 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.01 min

Lab File: VW008906.D

Acq: 01 Mar 2019 01:20

Instrument :

MSVOA_W

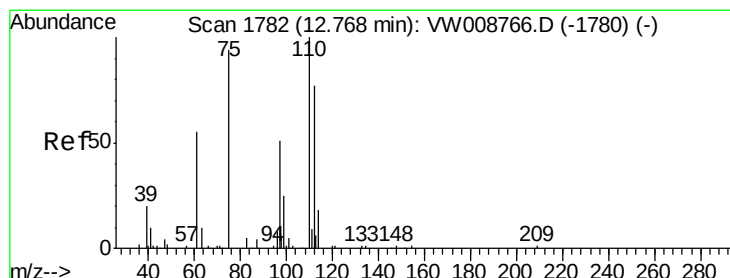
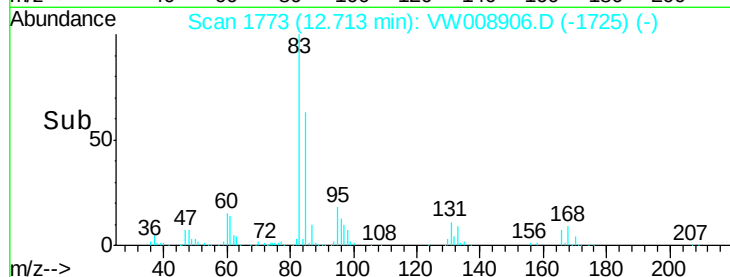
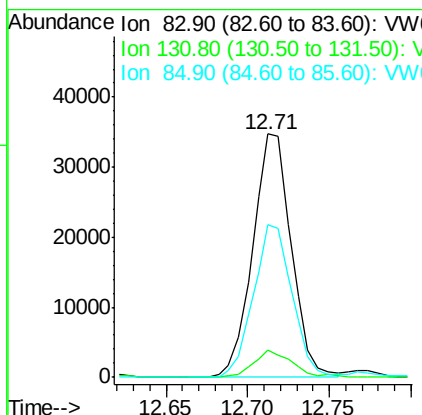
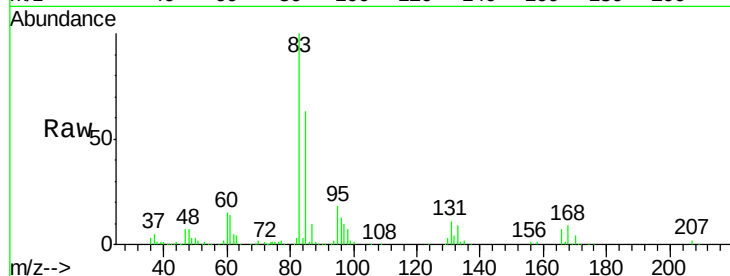
ClientSampleId :

VW0228SBS02

Tot Ion:	83	Resp:	57174
Ion	Ratio	Lower	Upper
83	100		
131	11.4	5.5	16.7
85	62.9	33.0	98.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 22.508 ug/l m

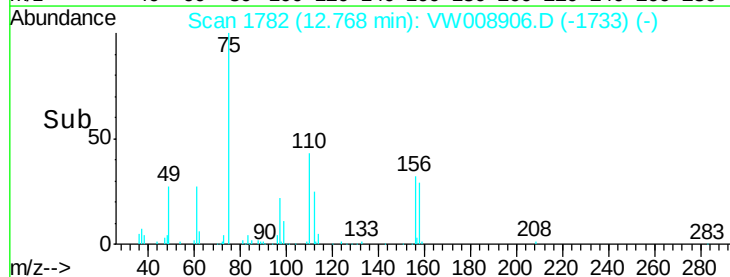
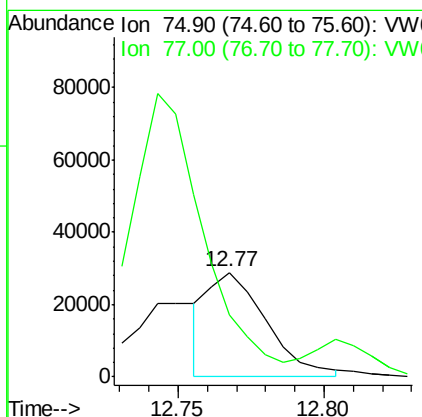
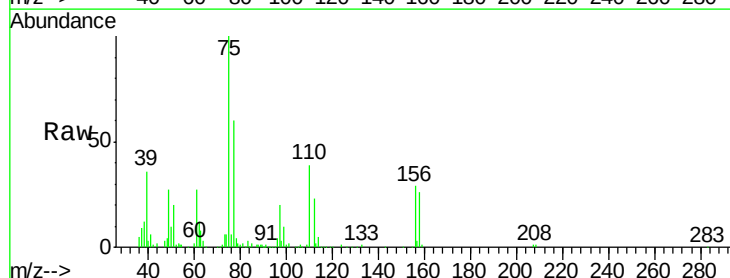
RT: 12.77 min Scan# 1782

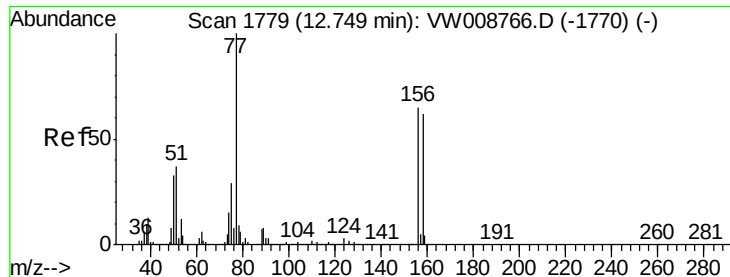
Delta R.T. -0.00 min

Lab File: VW008906.D

Acq: 01 Mar 2019 01:20

Tgt Ion:	75	Resp:	40369
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





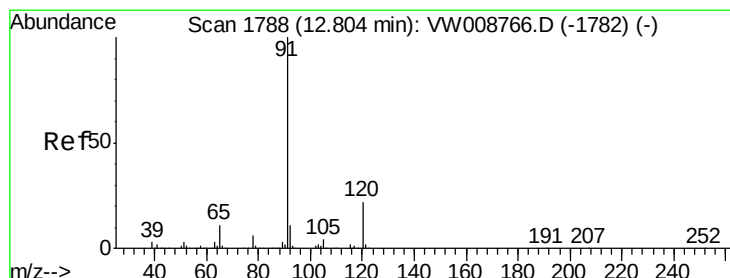
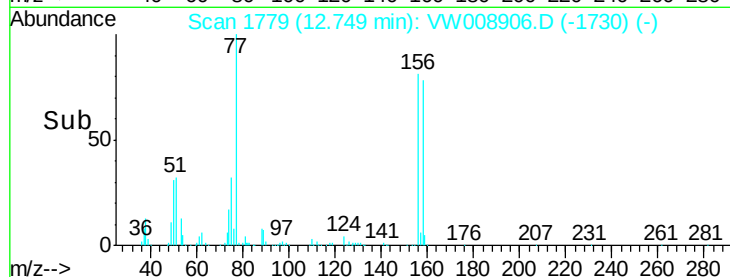
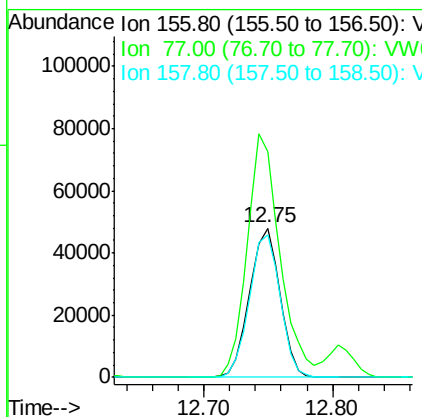
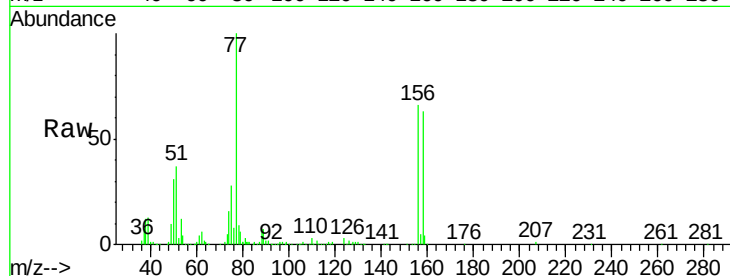
#77
Bromobenzene
Concen: 22.182 ug/l
RT: 12.75 min Scan# 1779
Delta R.T. -0.00 min
Lab File: VW008906.D
Acq: 01 Mar 2019 01:20

Instrument :
MSVOA_W
ClientSampled :
VW0228SBS02

Tot Ion	Ratio	Lower	Upper
156	100		
77	175.6	89.1	267.4
158	96.8	49.2	147.6

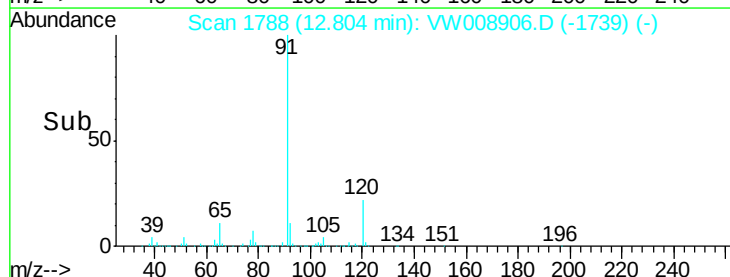
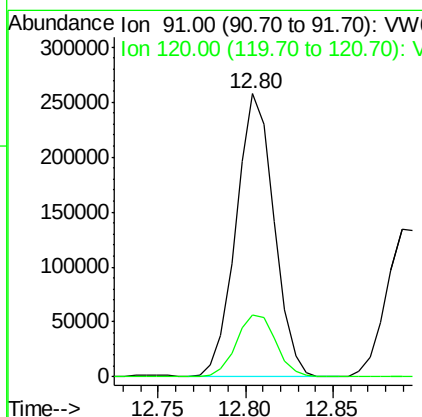
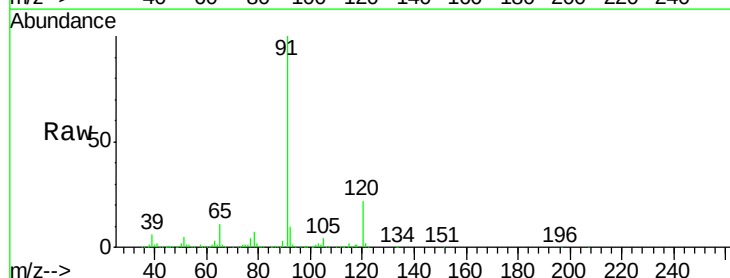
Manual Integrations
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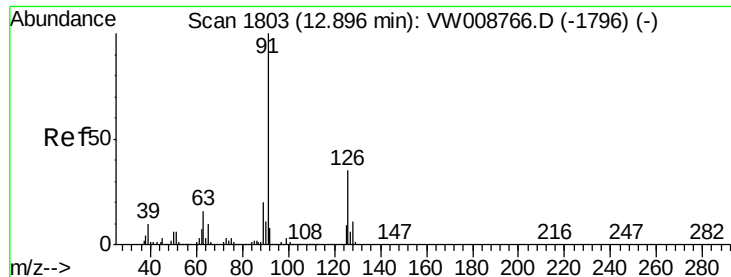
MMDadoda
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#78
n-propylbenzene
Concen: 21.303 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. -0.00 min
Lab File: VW008906.D
Acq: 01 Mar 2019 01:20

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.9	11.5	34.4





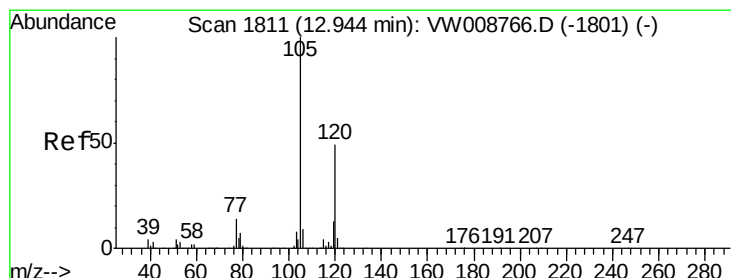
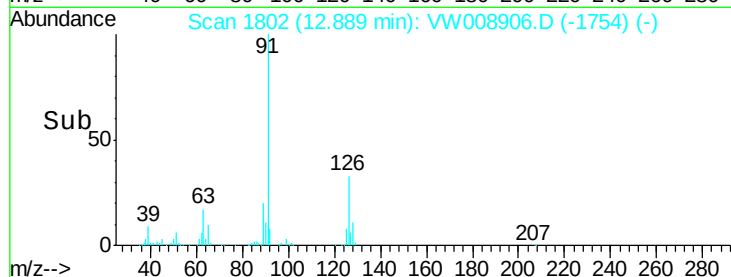
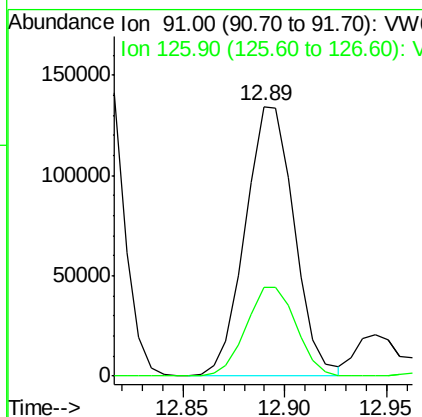
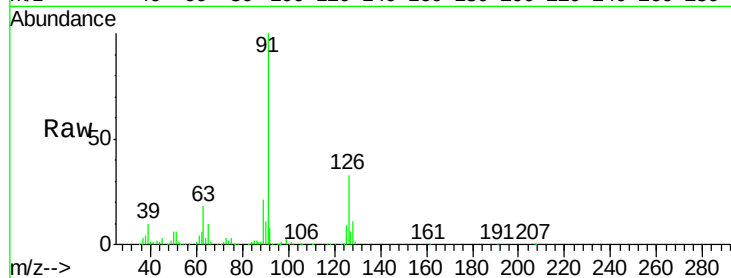
#79
2-Chlorotoluene
Concen: 21.714 ug/l
RT: 12.89 min Scan# 1802
Delta R.T. -0.01 min
Lab File: VW008906.D
Acq: 01 Mar 2019 01:20

Instrument :
MSVOA_W
ClientSampleId :
VW0228SBS02

Tot Ion	Ratio	Lower	Upper
91	100		
126	34.0	17.0	51.0

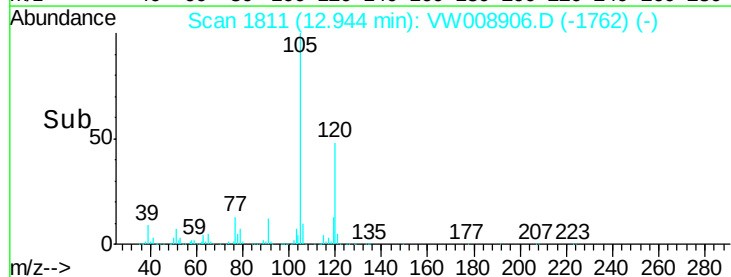
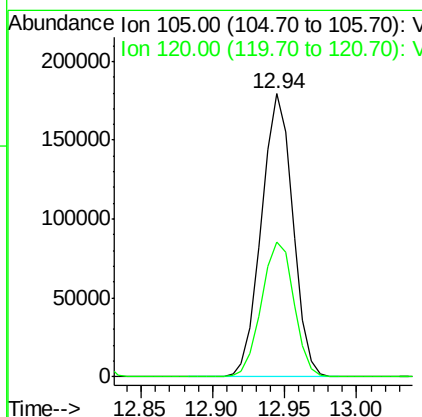
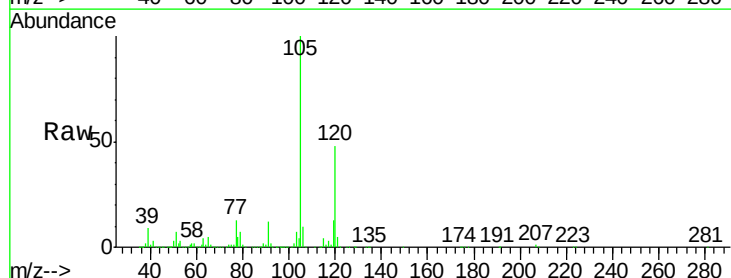
Manual Integrations
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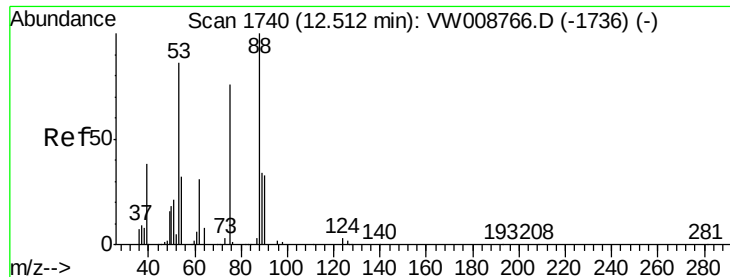
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#80
1,3,5-Trimethylbenzene
Concen: 20.861 ug/l
RT: 12.94 min Scan# 1811
Delta R.T. -0.00 min
Lab File: VW008906.D
Acq: 01 Mar 2019 01:20

Tgt Ion	Ratio	Lower	Upper
105	100		
120	49.4	24.8	74.4





#81

trans-1,4-Dichloro-2-butene

Concen: 18.972 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW008906.D

Acq: 01 Mar 2019 01:20

Instrument :

MSVOA_W

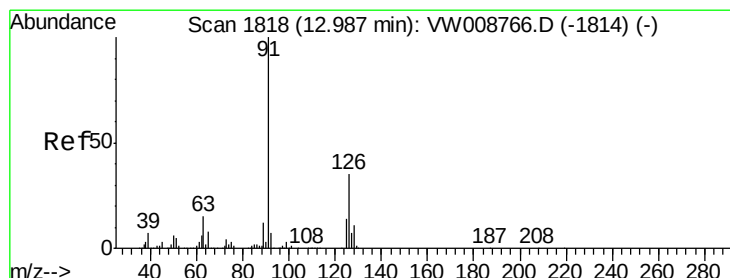
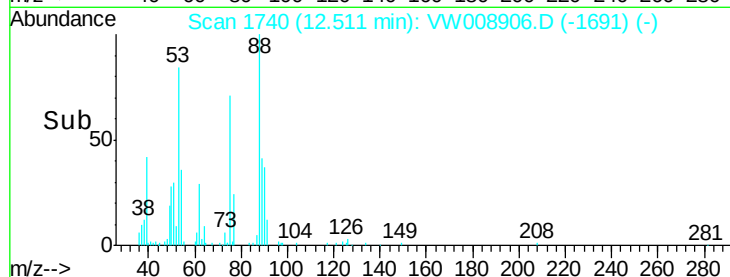
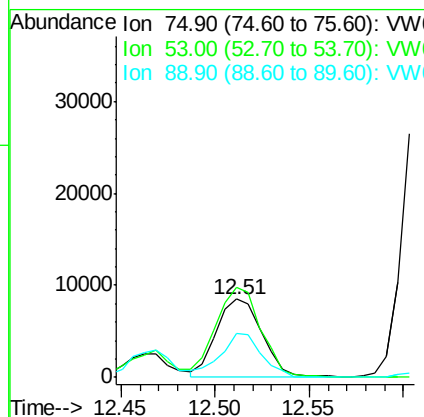
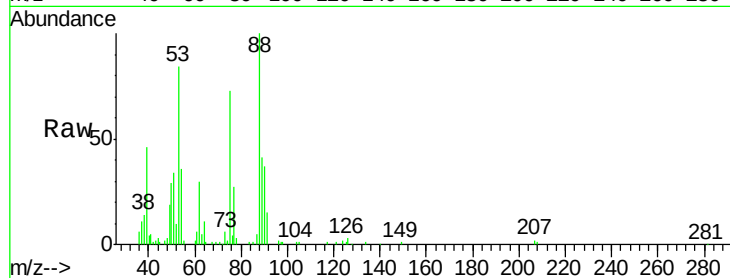
ClientSampleId :

VW0228SBS02

Tot Ion:	75	Resp:	13997
Ion	Ratio	Lower	Upper
75	100		
53	115.6	88.2	132.2
89	51.7	39.5	59.3

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#82

4-Chlorotoluene

Concen: 21.184 ug/l

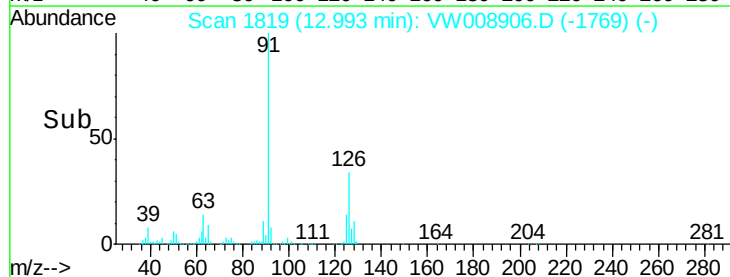
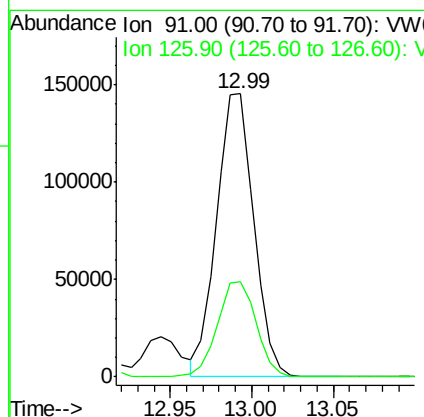
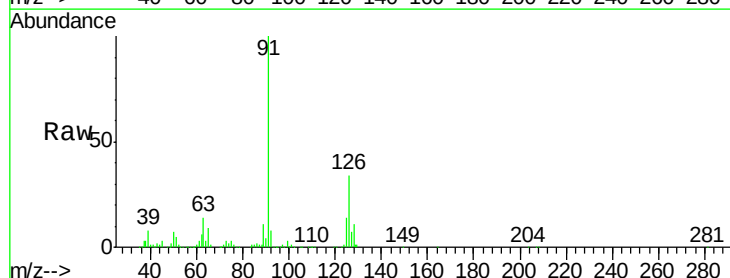
RT: 12.99 min Scan# 1819

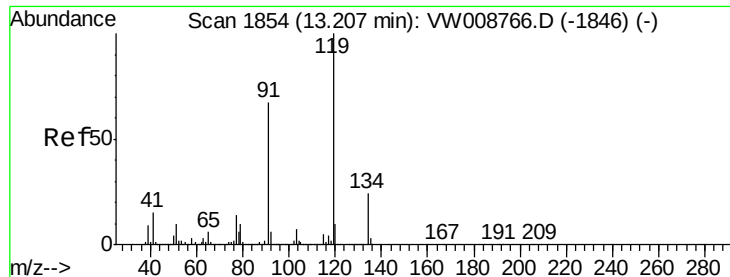
Delta R.T. 0.01 min

Lab File: VW008906.D

Acq: 01 Mar 2019 01:20

Tgt Ion:	91	Resp:	230887
Ion	Ratio	Lower	Upper
91	100		
126	35.4	17.2	51.6





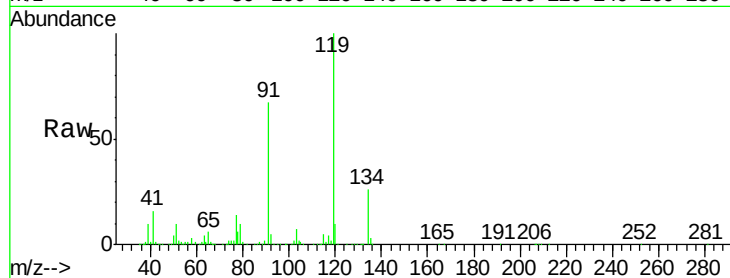
#83
 tert-Butylbenzene
 Concen: 21.043 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW008906.D
 Acq: 01 Mar 2019 01:20

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0228SBS02

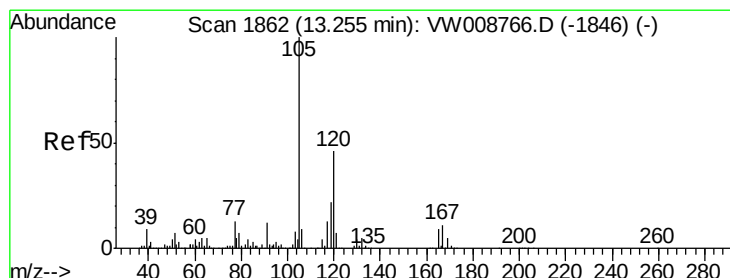
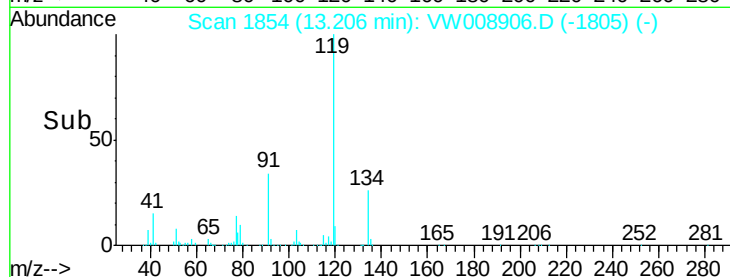
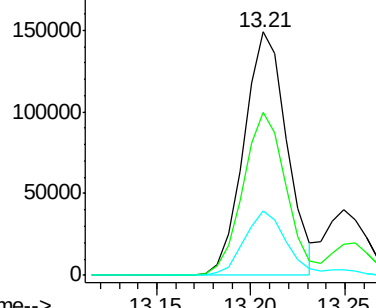
Tot Ion	Ratio	Lower	Upper
119	100		
91	67.0	33.6	100.8
134	27.5	13.7	41.1

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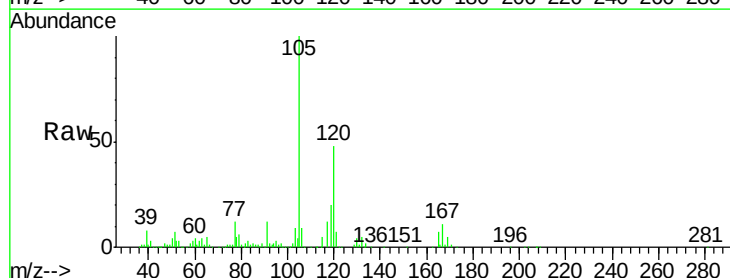


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

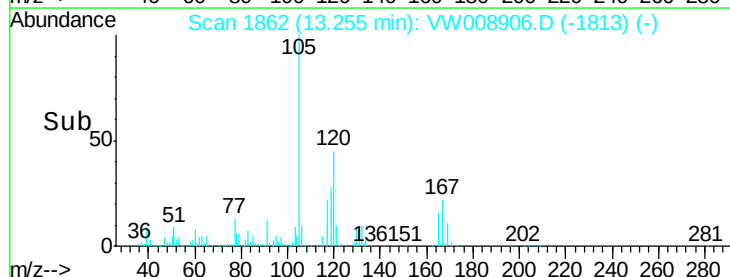
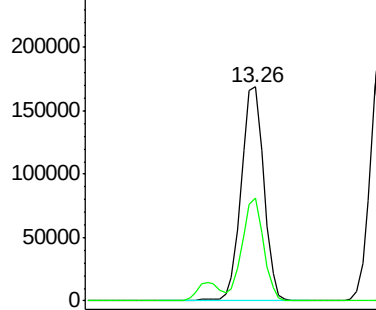


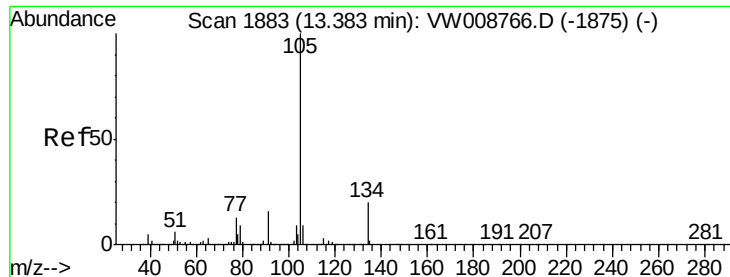
#84
 1,2,4-Trimethylbenzene
 Concen: 20.359 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. -0.00 min
 Lab File: VW008906.D
 Acq: 01 Mar 2019 01:20

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.5	22.8	68.4



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 21.169 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW008906.D

Acq: 01 Mar 2019 01:20

Instrument :

MSVOA_W

ClientSampleId :

VW0228SBS02

Tot Ion:105 Resp: 340616

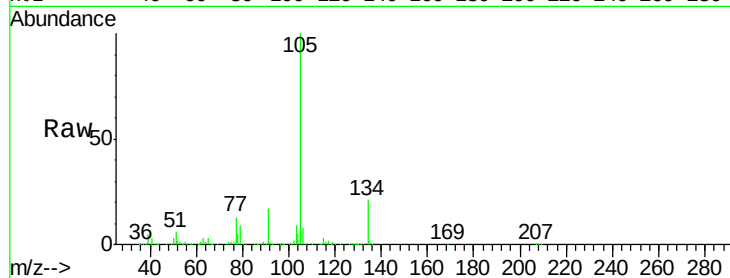
Ion Ratio Lower Upper

105 100

134 20.7 10.4 31.1

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

250000

200000

150000

100000

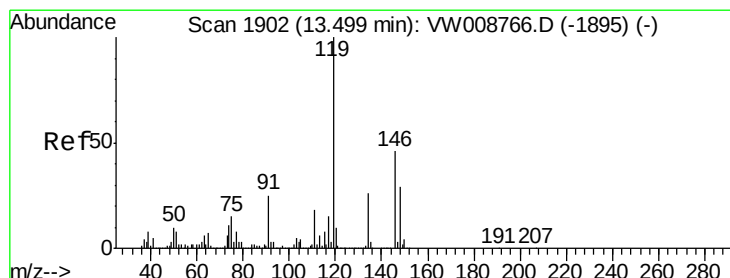
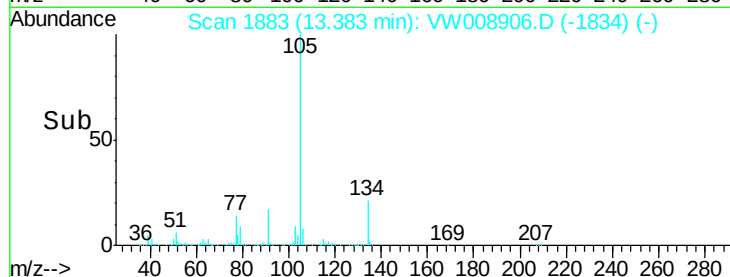
50000

0

13.30

13.40

Time-->



#86

p-Isopropyltoluene

Concen: 20.226 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW008906.D

Acq: 01 Mar 2019 01:20

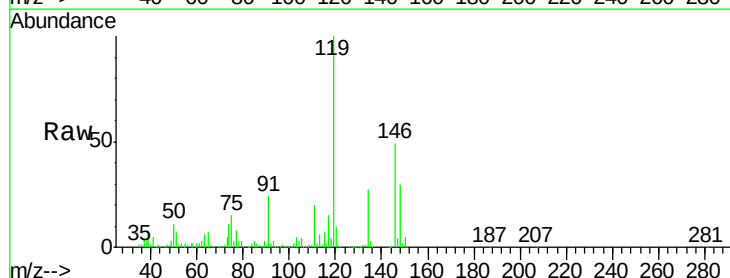
Tgt Ion:119 Resp: 298346

Ion Ratio Lower Upper

119 100

134 26.9 13.1 39.3

91 23.9 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

250000

200000

150000

100000

50000

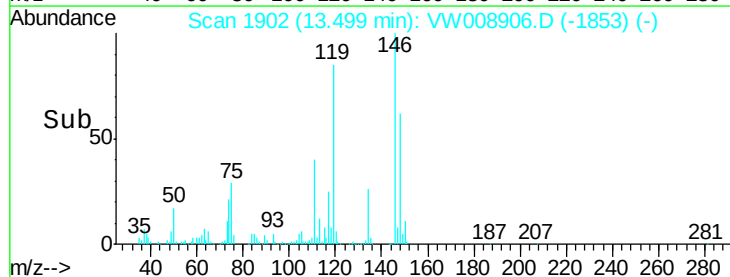
0

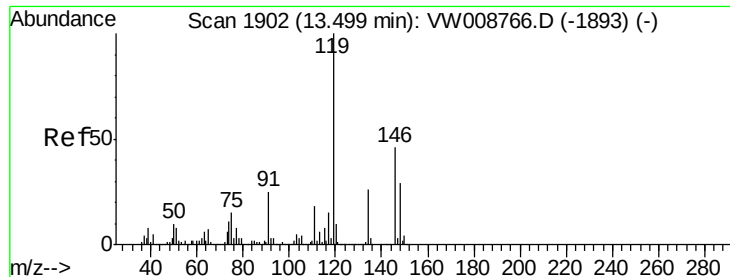
13.45

13.50

13.55

Time-->





#87

1,3-Dichlorobenzene

Concen: 21.053 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW008906.D

Acq: 01 Mar 2019 01:20

Instrument :

MSVOA_W

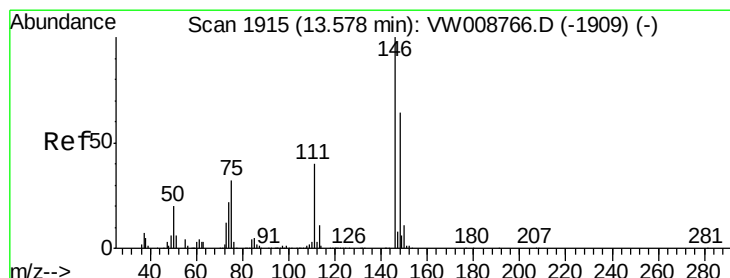
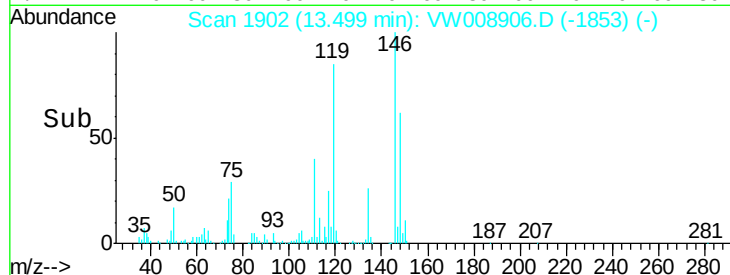
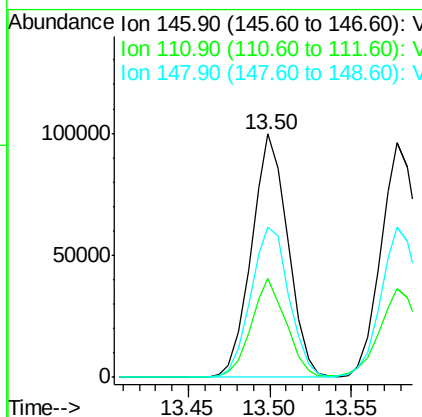
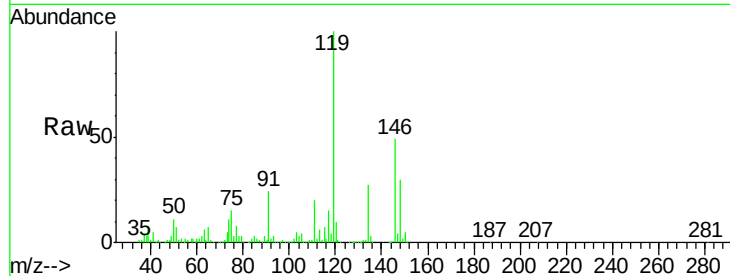
ClientSampleId :

VW0228SBS02

Tot Ion:	146	Resp:	153722
Ion Ratio	Lower	Upper	
146	100		
111	39.1	19.9	59.7
148	65.0	31.6	94.8

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#88

1,4-Dichlorobenzene

Concen: 21.590 ug/l

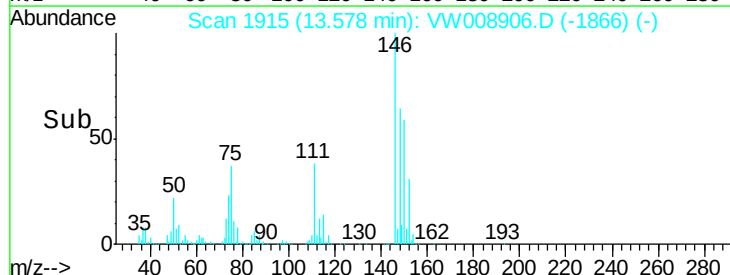
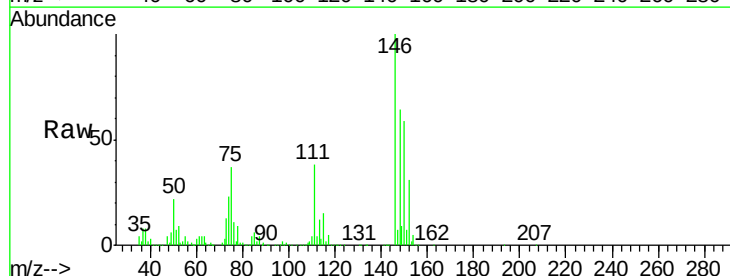
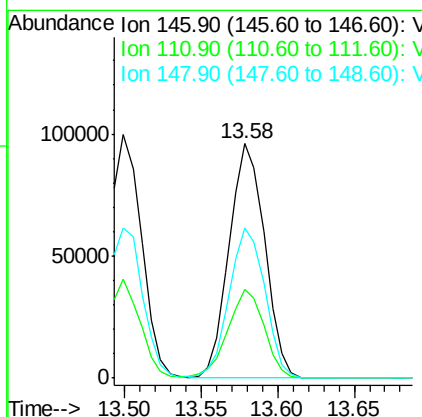
RT: 13.58 min Scan# 1915

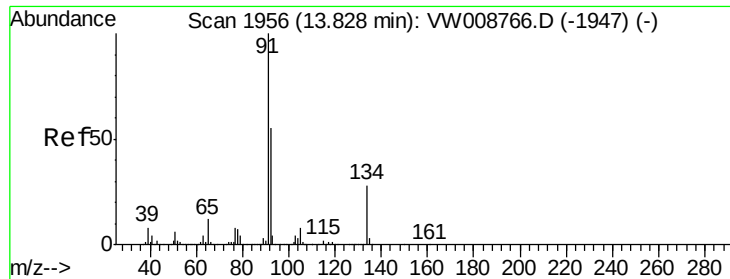
Delta R.T. -0.00 min

Lab File: VW008906.D

Acq: 01 Mar 2019 01:20

Tgt Ion:	146	Resp:	155368
Ion Ratio	Lower	Upper	
146	100		
111	38.9	19.3	57.9
148	64.3	31.9	95.9





#89

n-Butylbenzene

Concen: 19.587 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VW008906.D

Acq: 01 Mar 2019 01:20

Instrument :

MSVOA_W

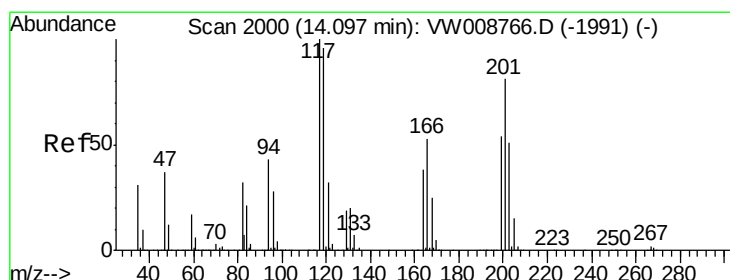
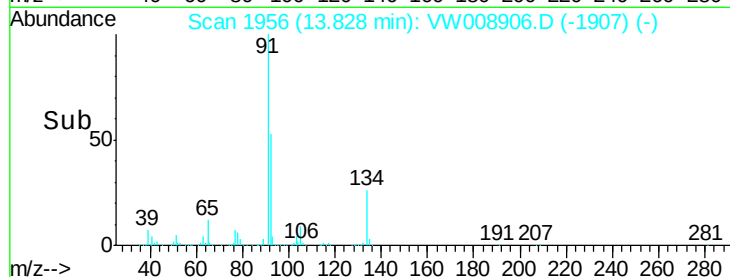
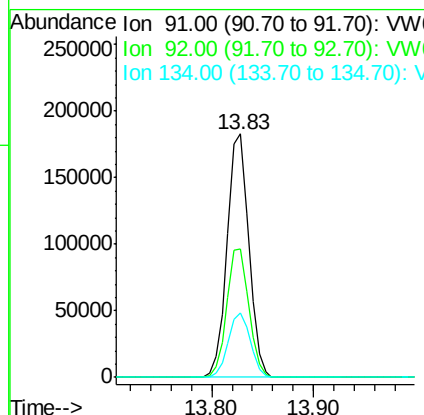
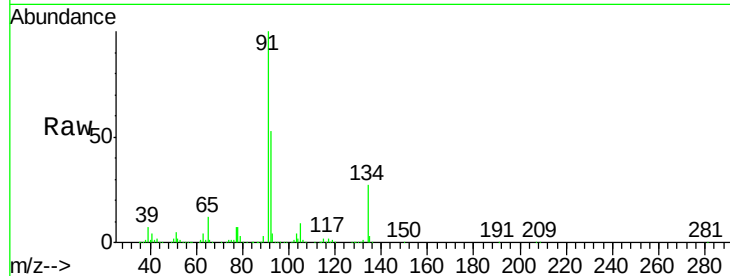
ClientSampleId :

VW0228SBS02

Tot Ion:	91	Resp:	270677
Ion	Ratio	Lower	Upper
91	100		
92	53.6	26.8	80.4
134	26.8	13.5	40.4

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#90

Hexachloroethane

Concen: 22.007 ug/l

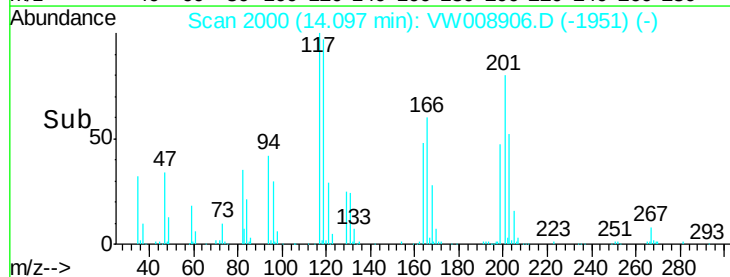
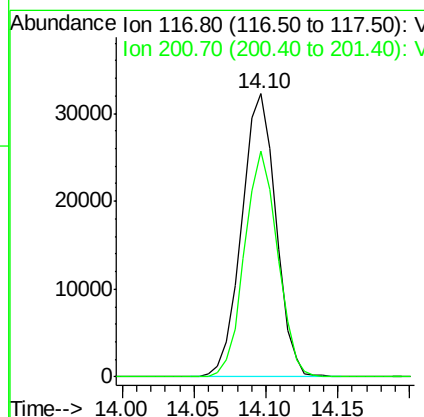
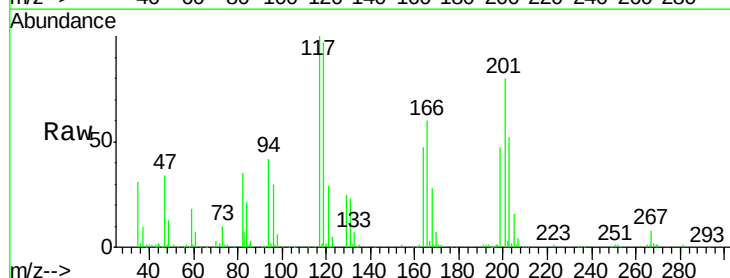
RT: 14.10 min Scan# 2000

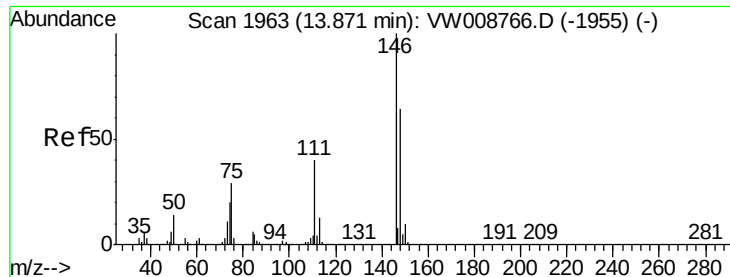
Delta R.T. -0.00 min

Lab File: VW008906.D

Acq: 01 Mar 2019 01:20

Tgt Ion:	117	Resp:	53142
Ion	Ratio	Lower	Upper
117	100		
201	77.1	40.3	120.8





#91

1,2-Dichlorobenzene

Concen: 21.443 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW008906.D

Acq: 01 Mar 2019 01:20

Instrument :

MSVOA_W

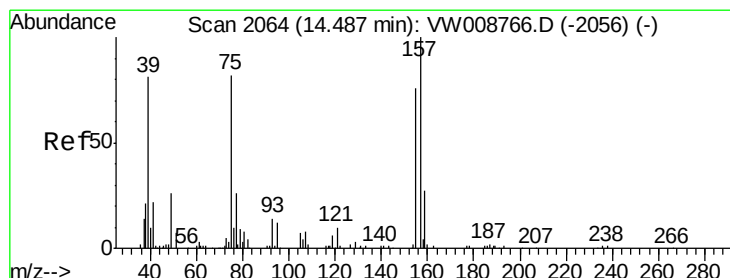
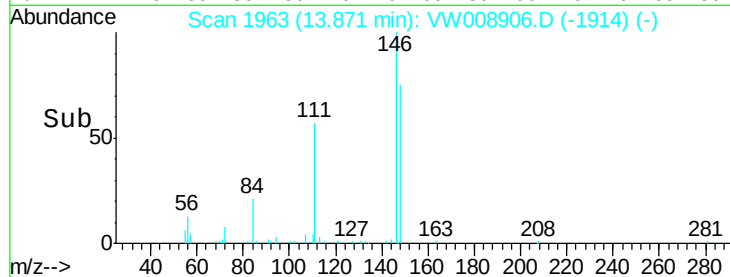
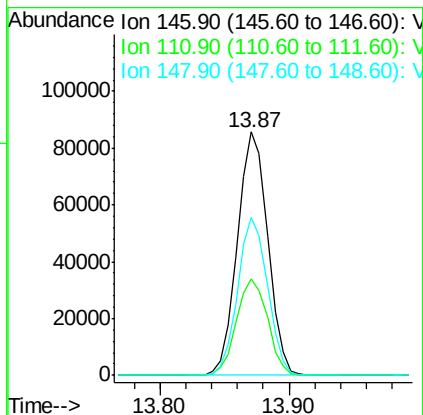
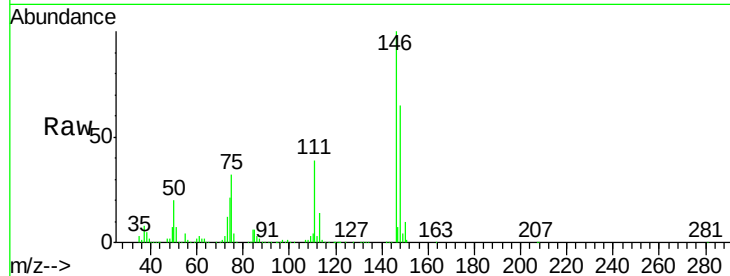
ClientSampleId :

VW0228SBS02

Tot Ion:	146	Resp:	139507
Ion Ratio		Lower	Upper
146	100		
111	40.6	20.3	60.8
148	64.0	32.5	97.5

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 20.982 ug/l

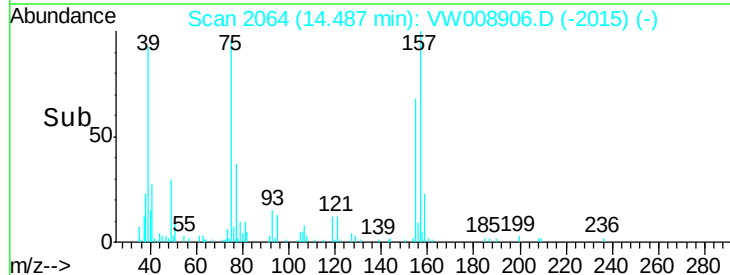
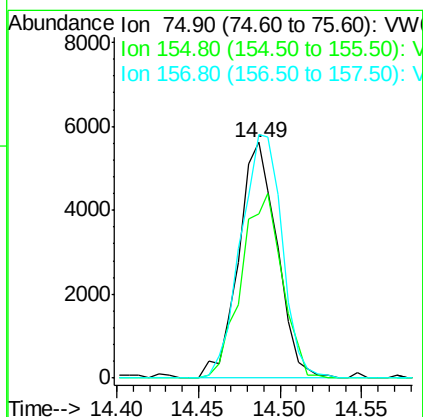
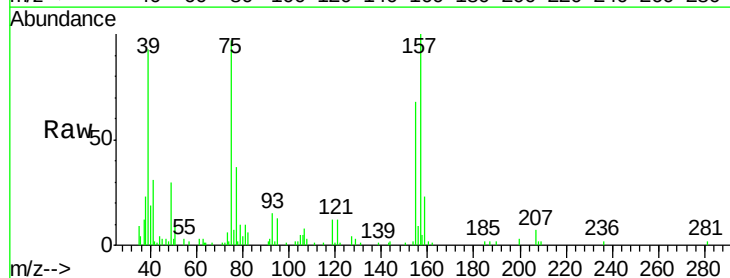
RT: 14.49 min Scan# 2064

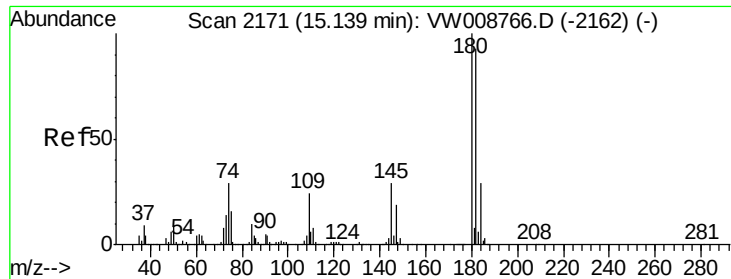
Delta R.T. -0.00 min

Lab File: VW008906.D

Acq: 01 Mar 2019 01:20

Tgt Ion:	75	Resp:	9236
Ion Ratio		Lower	Upper
75	100		
155	83.2	41.8	125.4
157	110.8	56.6	169.9





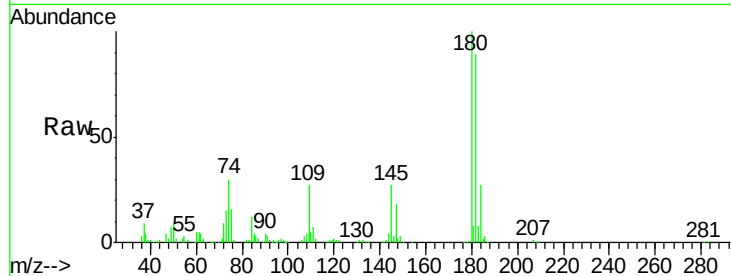
#93
 1,2,4-Trichlorobenzene
 Concen: 20.103 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.01 min
 Lab File: VW008906.D
 Acq: 01 Mar 2019 01:20

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0228SBS02

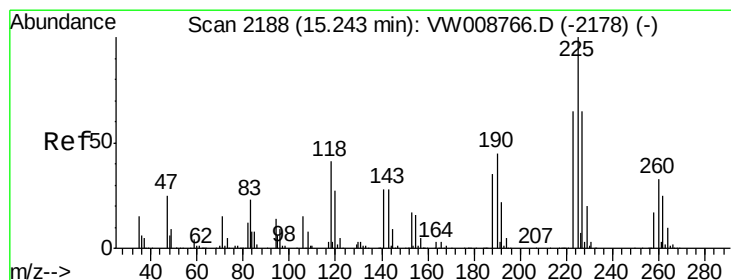
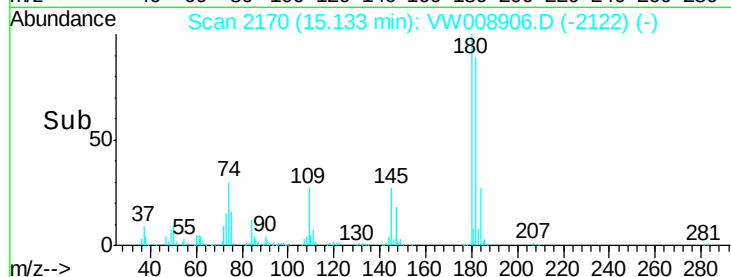
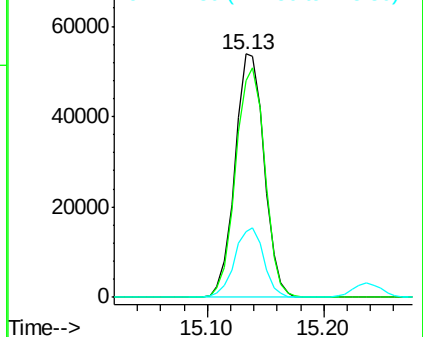
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.7	47.2	141.6
145	28.4	14.4	43.0

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MMDadoda
 3/1/2019 2:57:24 PM

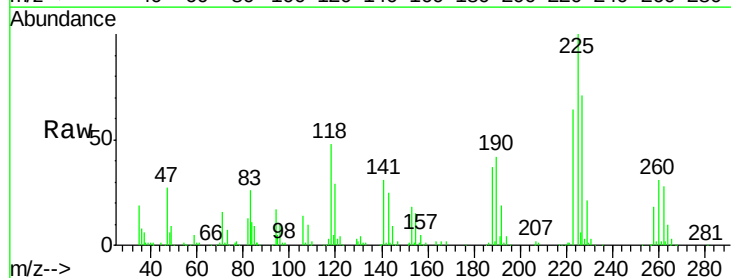


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

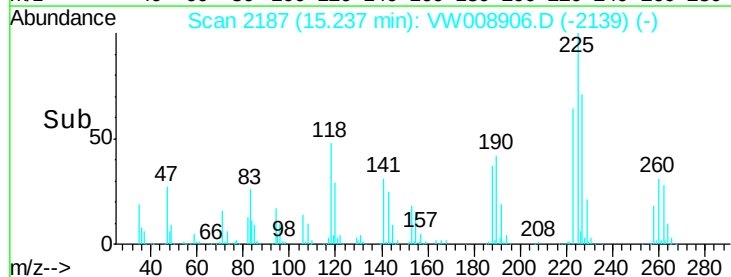
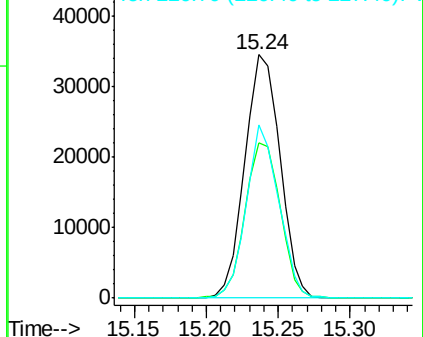


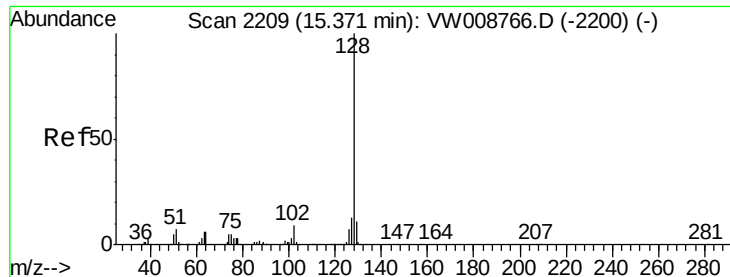
#94
 Hexachlorobutadiene
 Concen: 21.283 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.01 min
 Lab File: VW008906.D
 Acq: 01 Mar 2019 01:20

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.6	31.5	94.5
227	65.4	31.6	94.8



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





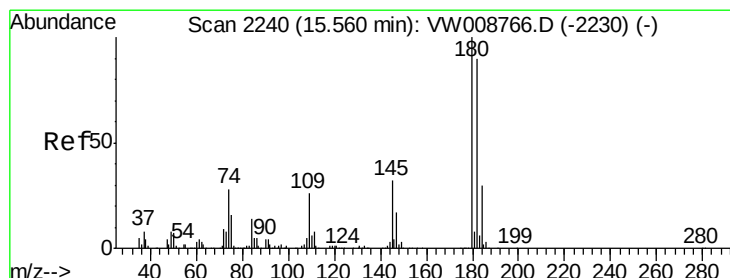
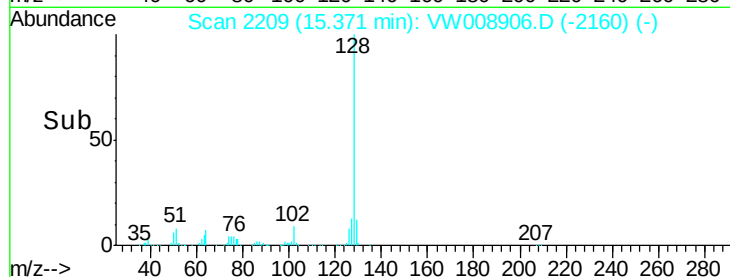
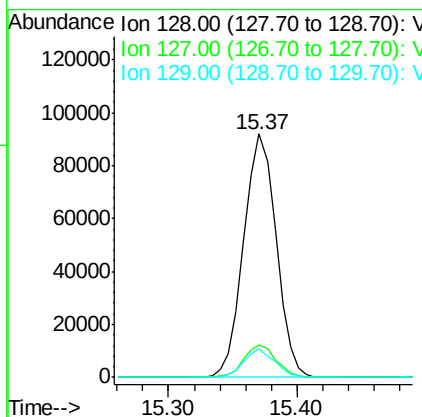
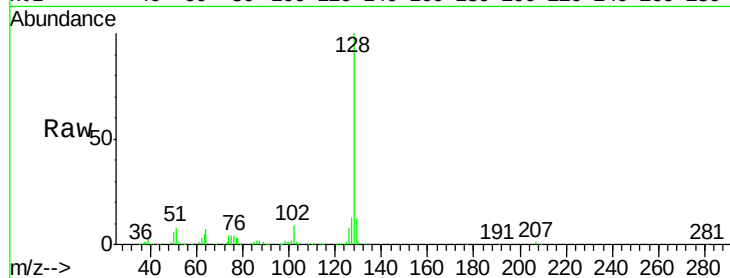
#95
Naphthalene
Concen: 20.116 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VW008906.D
Acq: 01 Mar 2019 01:20

Instrument :
MSVOA_W
ClientSampleId :
VW0228SBS02

Tot Ion	Ratio	Resp	Lower	Upper
128	100	160550		
127	13.2		10.8	16.2
129	10.9		8.7	13.1

Manual Integrations
APPROVED

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#96
1,2,3-Trichlorobenzene
Concen: 20.247 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW008906.D
Acq: 01 Mar 2019 01:20

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	82059		
182	96.5		46.9	140.8
145	31.7		15.9	47.6

