

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW022719\
 Data File : VW008849.D
 Acq On : 27 Feb 2019 12:46
 Operator : SY/VA
 Sample : VW0227SBSD01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0227SBSD01

Manual Integrations
 APPROVED

MMDadoda
 3/1/2019 12:09:42 AM

Quant Time: Feb 28 07:17:39 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	311590	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	452047	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	433312	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	237916	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	165255	56.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.10%	
35) Dibromofluoromethane	7.88	113	152653	56.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.48%	
50) Toluene-d8	10.32	98	577284	55.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.20%	
62) 4-Bromofluorobenzene	12.62	95	219411	53.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.96%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	55854	17.897	ug/l	99
3) Chloromethane	2.21	50	67992	17.898	ug/l	99
4) Vinyl Chloride	2.36	62	73825	18.355	ug/l	99
5) Bromomethane	2.75	94	54558	18.262	ug/l	100
6) Chloroethane	2.90	64	50990	17.853	ug/l	98
7) Trichlorofluoromethane	3.25	101	95876	18.847	ug/l	95
8) Diethyl Ether	3.69	74	31252	19.405	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.06	101	59549	19.277	ug/l	99
10) Methyl Iodide	4.27	142	64558	16.712	ug/l	100
11) Tert butyl alcohol	5.18	59	23928	91.969	ug/l	100
12) 1,1-Dichloroethene	4.03	96	53770	19.709	ug/l	98
13) Acrolein	3.89	56	23289	97.929	ug/l	99
14) Allyl chloride	4.67	41	91275	19.385	ug/l	99
15) Acrylonitrile	5.37	53	68557	99.189	ug/l	99
16) Acetone	4.12	43	69117	102.033	ug/l	93
17) Carbon Disulfide	4.37	76	157158	17.362	ug/l	100
18) Methyl Acetate	4.68	43	31691	19.724	ug/l	97
19) Methyl tert-butyl Ether	5.43	73	149476	20.242	ug/l	99
20) Methylene Chloride	4.92	84	67060	16.693	ug/l	95
21) trans-1,2-Dichloroethene	5.42	96	61195	19.391	ug/l	90
22) Diisopropyl ether	6.31	45	187880	20.003	ug/l	97
23) Vinyl Acetate	6.26	43	601291	103.610	ug/l	99
24) 1,1-Dichloroethane	6.22	63	108571	19.947	ug/l	96
25) 2-Butanone	7.17	43	94793	100.093	ug/l	99
26) 2,2-Dichloropropane	7.17	77	96953	19.620	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	66387	19.666	ug/l	96
28) Bromochloromethane	7.51	49	51508	22.614	ug/l	99
29) Tetrahydrofuran	7.53	42	61612	102.087	ug/l	98
30) Chloroform	7.68	83	108471	19.426	ug/l	97
31) Cyclohexane	7.95	56	108770	19.742	ug/l	93
32) 1,1,1-Trichloroethane	7.87	97	100773	19.845	ug/l	98
36) 1,1-Dichloropropene	8.08	75	89564	20.354	ug/l	99
37) Ethyl Acetate	7.26	43	41500	20.281	ug/l	99
38) Carbon Tetrachloride	8.07	117	91181	19.648	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	102665	18.705	ug/l	99
40) Benzene	8.32	78	236024	19.645	ug/l	98
41) Methacrylonitrile	7.48	41	22463	18.675	ug/l	95
42) 1,2-Dichloroethane	8.40	62	76091	19.993	ug/l	99
43) Isopropyl Acetate	8.43	43	80907	19.811	ug/l	99
44) Trichloroethene	9.09	130	66534	19.658	ug/l	99
45) 1,2-Dichloropropane	9.37	63	59346	19.989	ug/l	99
46) Dibromomethane	9.46	93	33107	20.047	ug/l	99
47) Bromodichloromethane	9.65	83	80630	20.067	ug/l	98
48) Methyl methacrylate	9.43	41	34857	17.821	ug/l	94
49) 1,4-Dioxane	9.45	88	10074	380.924	ug/l	92
51) 4-Methyl-2-Pentanone	10.21	43	205203	98.968	ug/l	99
52) Toluene	10.38	92	155642	19.088	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	81023	19.784	ug/l	95
54) cis-1,3-Dichloropropene	10.07	75	95205	20.383	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	47542	21.228	ug/l	96
56) Ethyl methacrylate	10.65	69	55892	19.209	ug/l	99
57) 1,3-Dichloropropane	10.93	76	83206	21.042	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.92	63	180470	123.320	ug/l	99
59) 2-Hexanone	10.97	43	146348	99.155	ug/l	99
60) Dibromochloromethane	11.13	129	54850	20.079	ug/l	97
61) 1,2-Dibromoethane	11.24	107	44327	19.995	ug/l	99
64) Tetrachloroethene	10.86	164	57367	18.495	ug/l	96
65) Chlorobenzene	11.66	112	175118	19.220	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	58862	19.106	ug/l	97
67) Ethyl Benzene	11.73	91	308788	18.958	ug/l	100
68) m/p-Xylenes	11.84	106	249069	38.272	ug/l	98
69) o-Xylene	12.17	106	115345	18.883	ug/l	99
70) Styrene	12.18	104	186430	18.971	ug/l	99
71) Bromoform	12.35	173	31652	19.114	ug/l #	99
73) Isopropylbenzene	12.46	105	312461	19.157	ug/l	100
74) N-amyl acetate	12.27	43	75997	18.498	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	52198	19.586	ug/l	97
76) 1,2,3-Trichloropropane	12.77	75	37123m	18.899	ug/l	
77) Bromobenzene	12.75	156	75087	19.482	ug/l	98
78) n-propylbenzene	12.80	91	383494	19.222	ug/l	99
79) 2-Chlorotoluene	12.90	91	214923	18.974	ug/l	97
80) 1,3,5-Trimethylbenzene	12.94	105	267068	18.842	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.52	75	15566	19.265	ug/l	98
82) 4-Chlorotoluene	12.99	91	226423	18.968	ug/l	98
83) tert-Butylbenzene	13.21	119	232527	18.973	ug/l	100
84) 1,2,4-Trimethylbenzene	13.26	105	273486	18.640	ug/l	98
85) sec-Butylbenzene	13.38	105	332618	18.875	ug/l	99
86) p-Isopropyltoluene	13.50	119	303696	18.799	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	153161	19.153	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	152457	19.344	ug/l	99
89) n-Butylbenzene	13.83	91	285705	18.877	ug/l	99
90) Hexachloroethane	14.10	117	52033	19.675	ug/l	95
91) 1,2-Dichlorobenzene	13.87	146	134814	18.921	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	9496	19.698	ug/l	93

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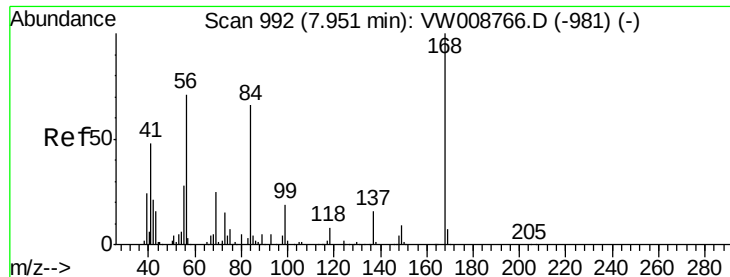
Manual Integrations
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MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	100314	19.540	ug/l	98
94) Hexachlorobutadiene	15.24	225	59737	19.754	ug/l	99
95) Naphthalene	15.37	128	167269	19.136	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	88656	19.973	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: VW008849.D

Acq: 27 Feb 2019 12:46

Instrument :

MSVOA_W

ClientSampleId :

VW0227SBSD01

Tot Ion:168 Resp: 311590

Ion Ratio Lower Upper

168 100

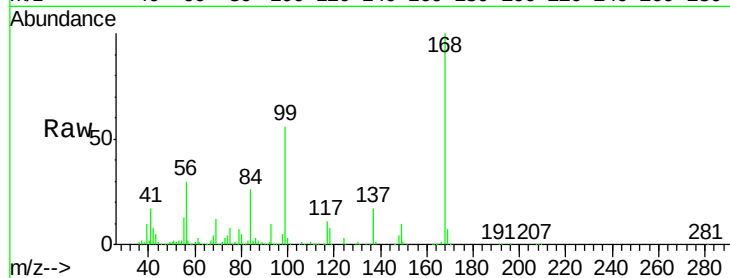
99 55.7 42.2 63.2

Manual Integrations

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3/1/2019 12:09:42 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

150000

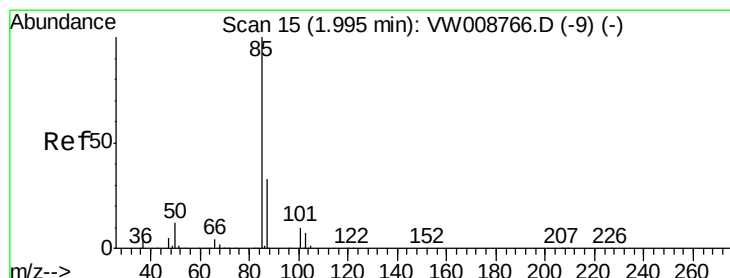
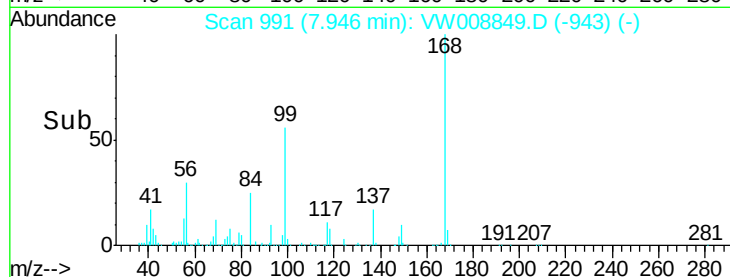
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50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 17.897 ug/l

RT: 2.00 min Scan# 15

Delta R.T. 0.00 min

Lab File: VW008849.D

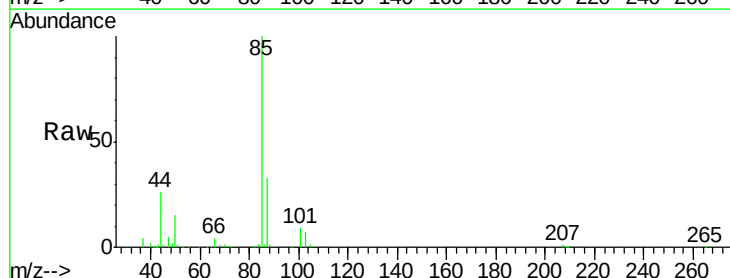
Acq: 27 Feb 2019 12:46

Tgt Ion: 85 Resp: 55854

Ion Ratio Lower Upper

85 100

87 33.3 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

40000

30000

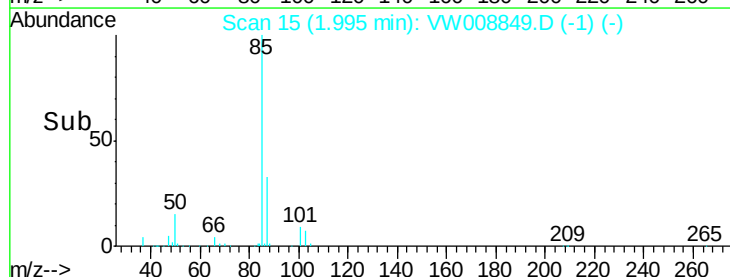
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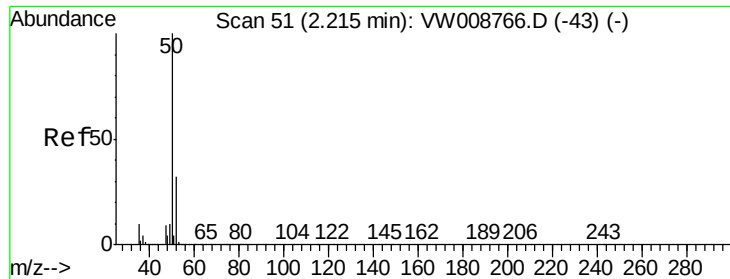
10000

0

1.90 1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 17.898 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW008849.D

Acq: 27 Feb 2019 12:46

Instrument :

MSVOA_W

ClientSampleId :

VW0227SBSD01

Tot Ion: 50 Resp: 67992

Ion Ratio Lower Upper

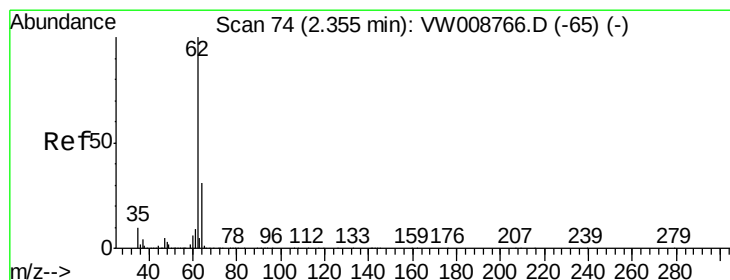
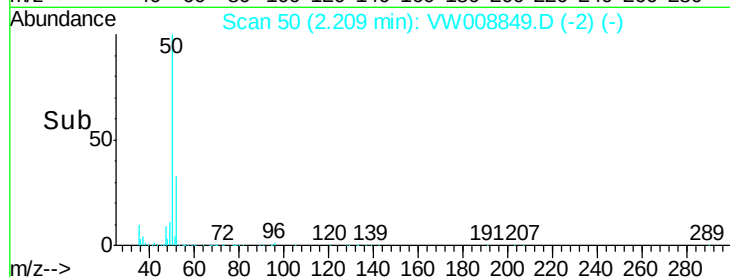
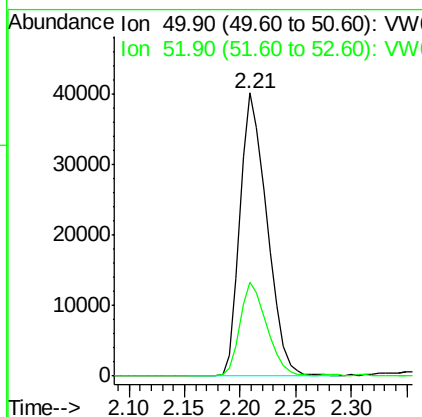
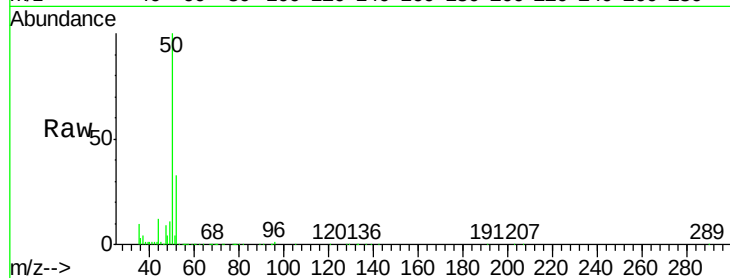
50 100

52 33.1 25.9 38.9

Manual Integrations
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3/1/2019 12:09:42 AM



#4

Vinyl Chloride

Concen: 18.355 ug/l

RT: 2.36 min Scan# 74

Delta R.T. 0.00 min

Lab File: VW008849.D

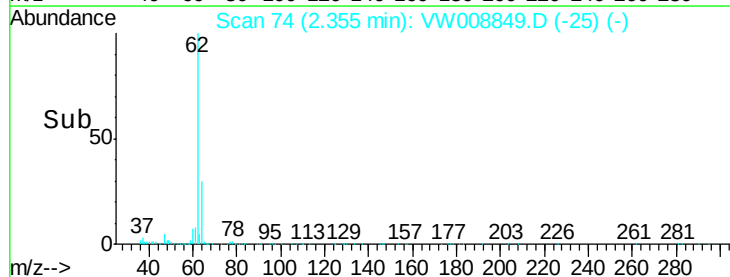
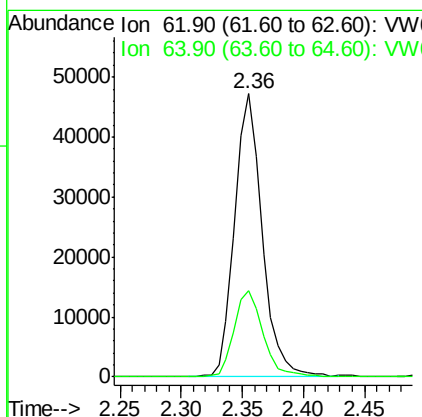
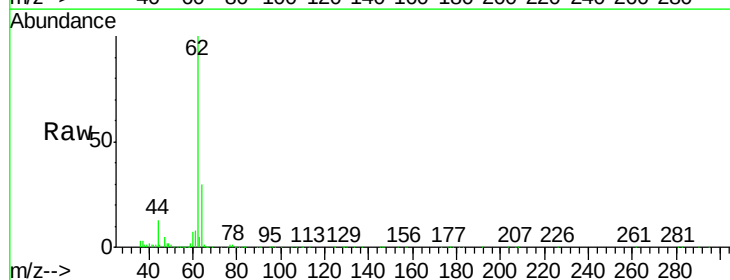
Acq: 27 Feb 2019 12:46

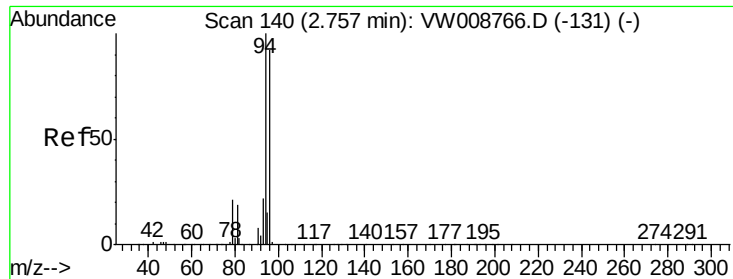
Tgt Ion: 62 Resp: 73825

Ion Ratio Lower Upper

62 100

64 30.5 24.9 37.3





#5

Bromomethane

Concen: 18.262 ug/l

RT: 2.75 min Scan# 138

Delta R.T. -0.01 min

Lab File: VW008849.D

Acq: 27 Feb 2019 12:46

Instrument :

MSVOA_W

ClientSampleId :

VW0227SBS01

Tot Ion: 94 Resp: 54558

Ion Ratio Lower Upper

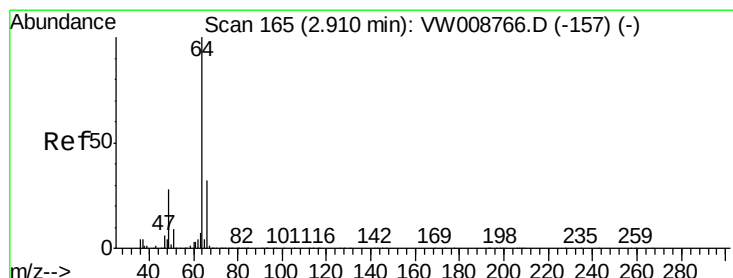
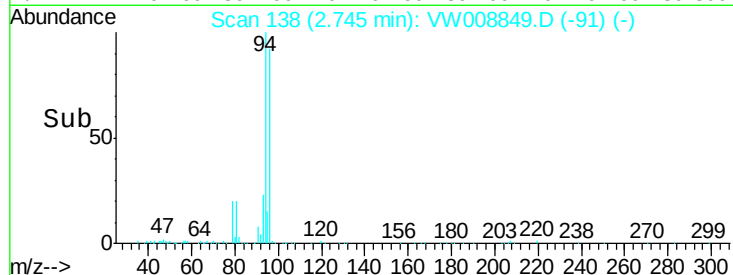
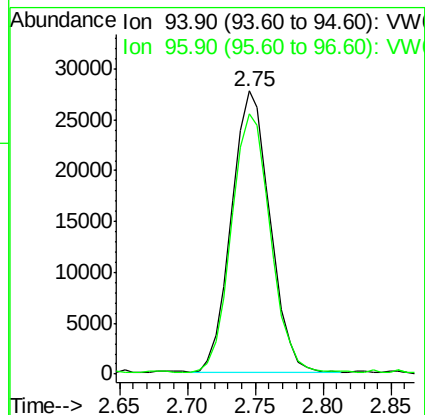
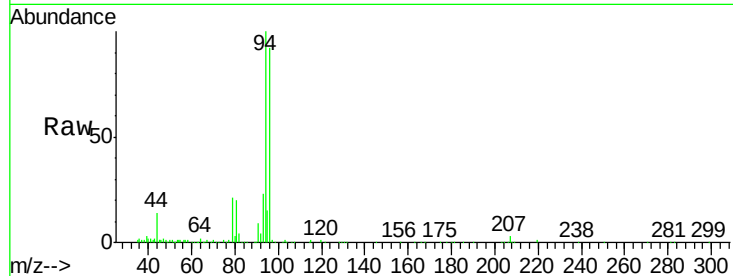
94 100

96 92.1 73.4 110.2

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#6

Chloroethane

Concen: 17.853 ug/l

RT: 2.90 min Scan# 164

Delta R.T. -0.01 min

Lab File: VW008849.D

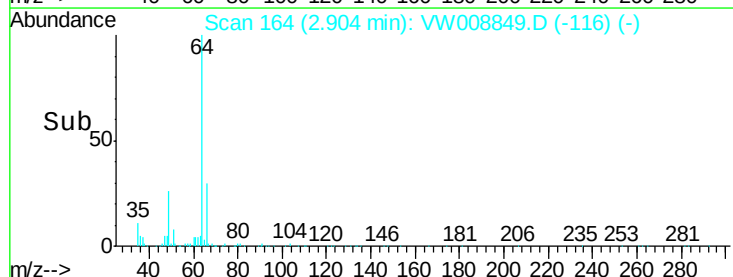
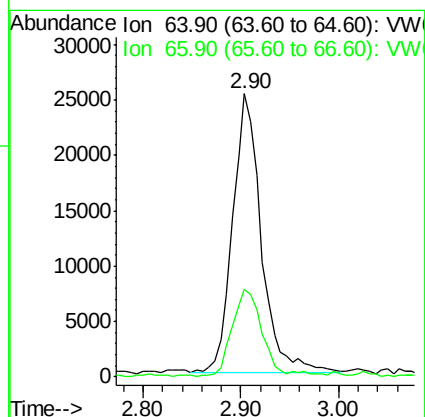
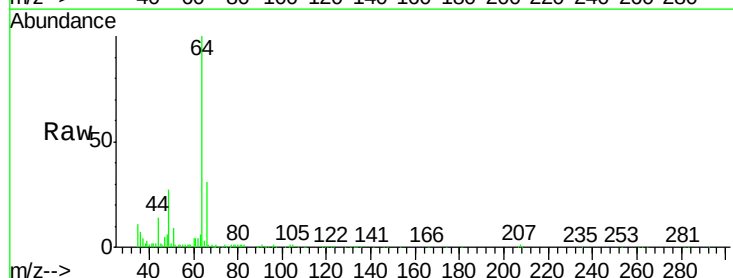
Acq: 27 Feb 2019 12:46

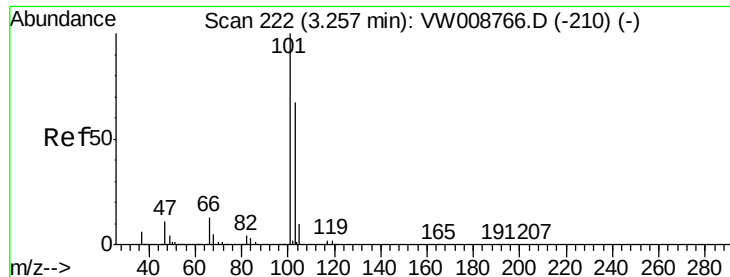
Tgt Ion: 64 Resp: 50990

Ion Ratio Lower Upper

64 100

66 30.8 25.5 38.3





#7

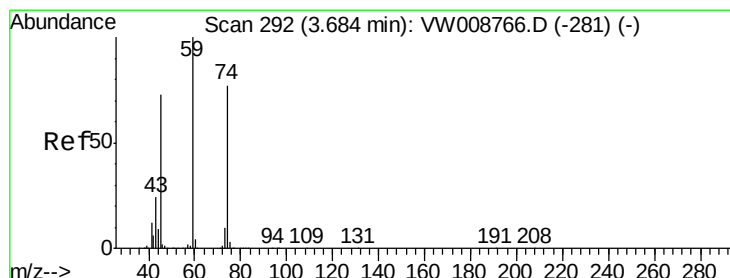
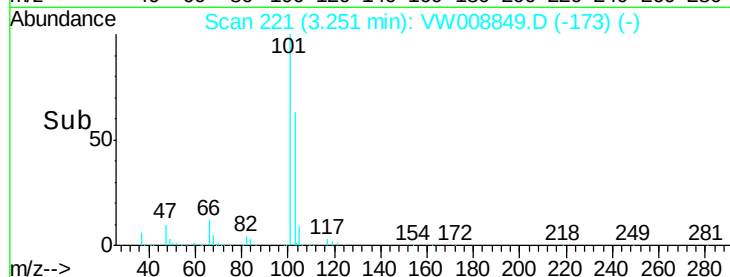
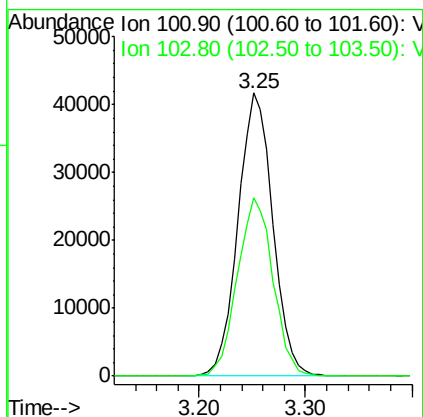
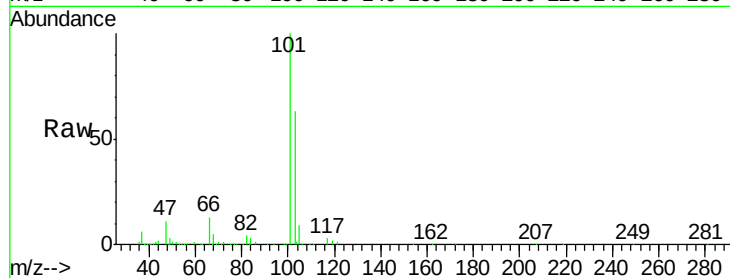
Trichlorofluoromethane
Concen: 18.847 ug/l
RT: 3.25 min Scan# 221
Delta R.T. -0.01 min
Lab File: VW008849.D
Acq: 27 Feb 2019 12:46

Instrument :
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ClientSampleId :
VW0227SBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.0	53.9	80.9

Manual Integrations
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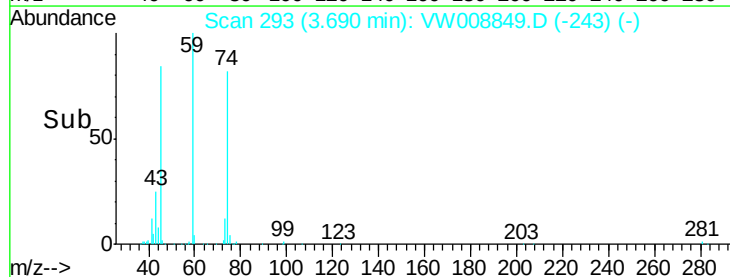
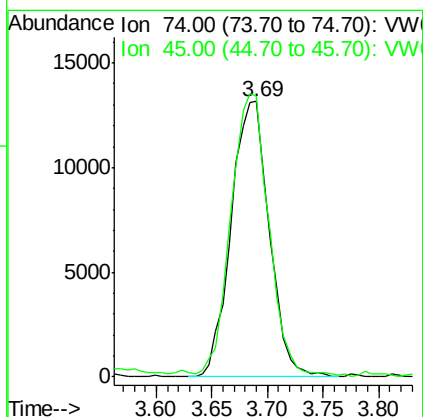
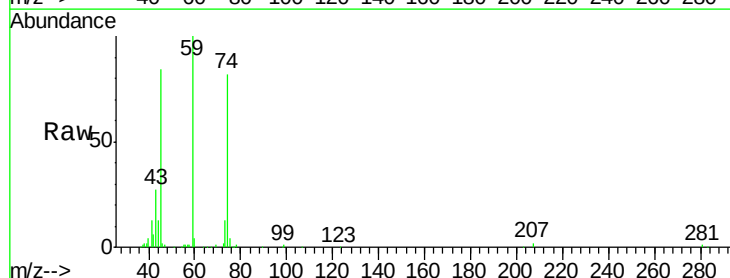
MMDadoda
3/1/2019 12:09:42 AM

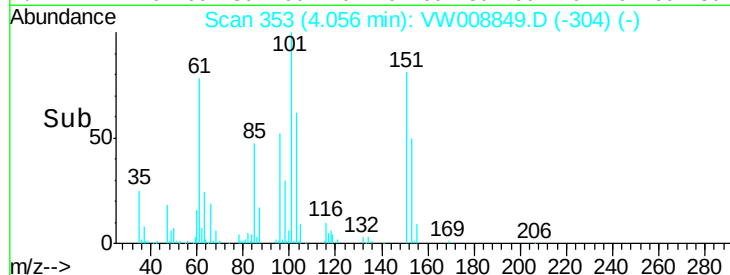
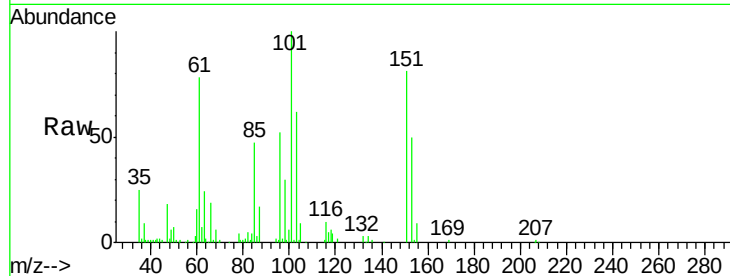
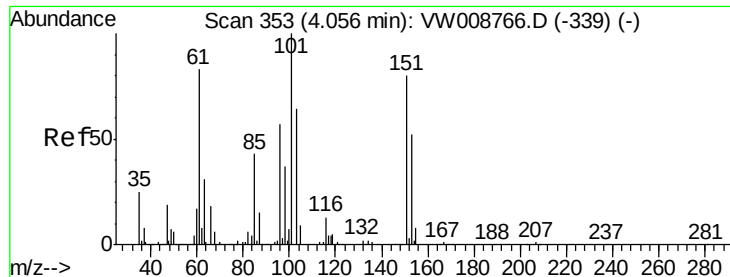


#8

Diethyl Ether
Concen: 19.405 ug/l
RT: 3.69 min Scan# 293
Delta R.T. 0.01 min
Lab File: VW008849.D
Acq: 27 Feb 2019 12:46

Tgt Ion	Ratio	Lower	Upper
74	100		
45	103.1	50.2	150.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.277 ug/l

RT: 4.06 min Scan# 353

Delta R.T. 0.00 min

Lab File: VW008849.D

Acq: 27 Feb 2019 12:46

Instrument :

MSVOA_W

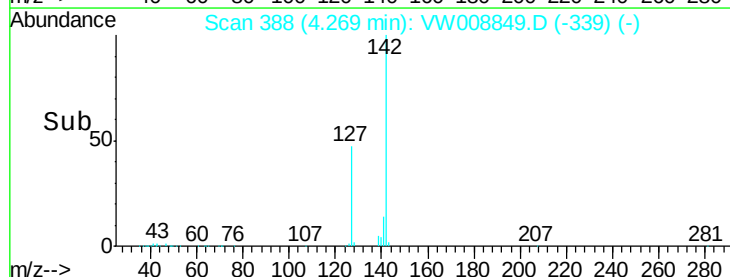
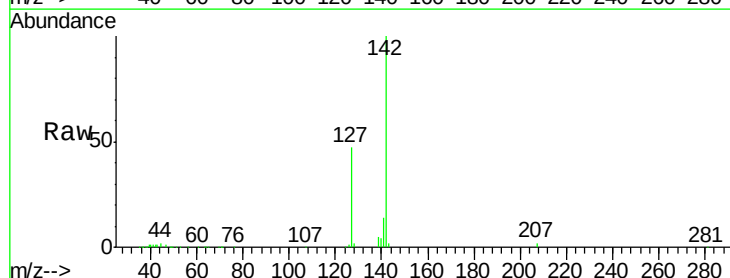
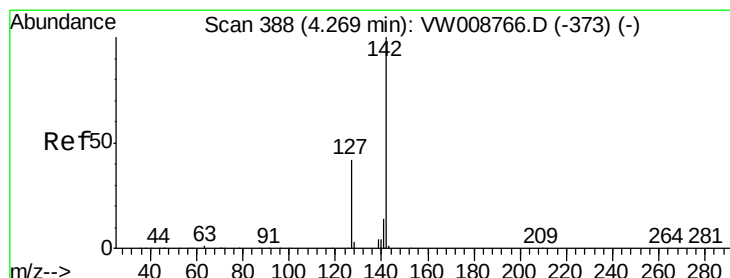
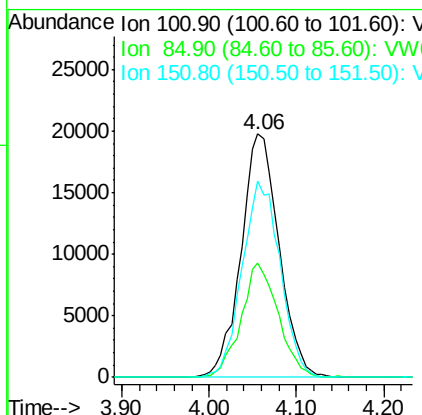
ClientSampleId :

VW0227SBS01

Tot Ion:	101	Resp:	59549
Ion Ratio	Lower	Upper	
101	100		
85	45.8	36.0	54.0
151	80.8	65.5	98.3

Manual Integrations
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#10

Methyl Iodide

Concen: 16.712 ug/l

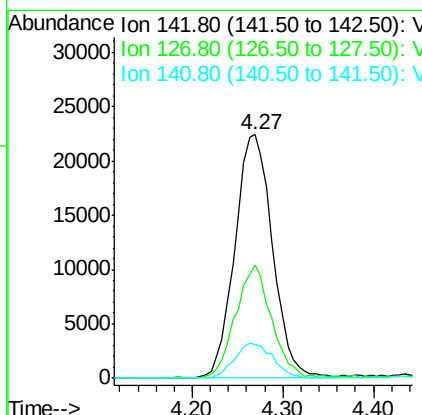
RT: 4.27 min Scan# 388

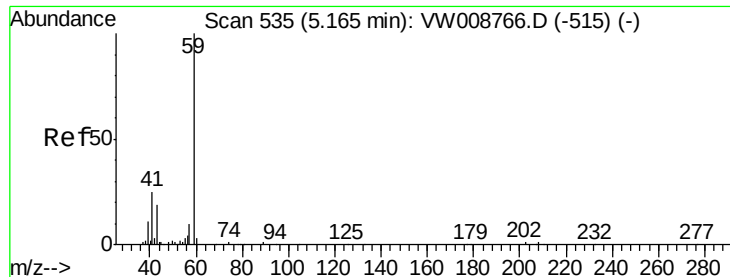
Delta R.T. 0.00 min

Lab File: VW008849.D

Acq: 27 Feb 2019 12:46

Tgt Ion:	142	Resp:	64558
Ion Ratio	Lower	Upper	
142	100		
127	44.0	35.3	52.9
141	14.6	11.7	17.5





#11

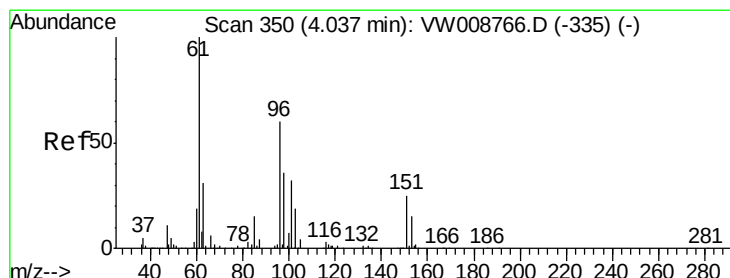
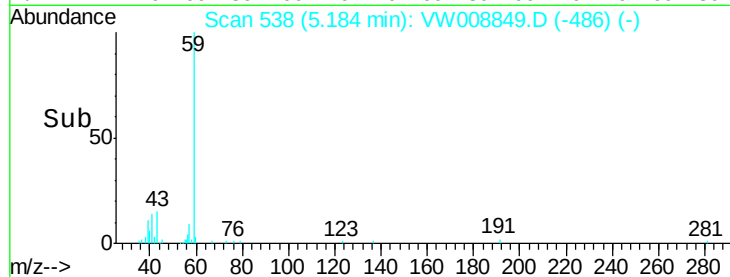
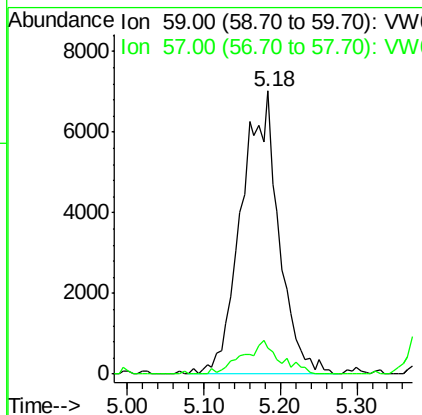
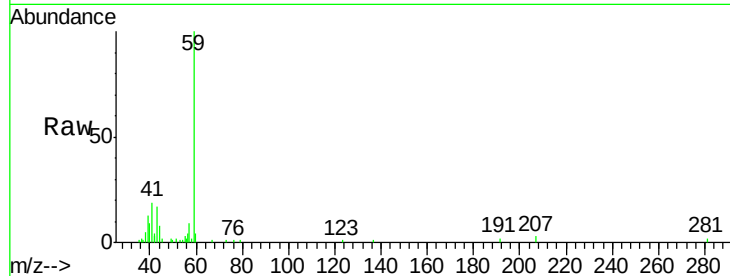
Tert butyl alcohol
Concen: 91.969 ug/l
RT: 5.18 min Scan# 538
Delta R.T. 0.02 min
Lab File: VW008849.D
Acq: 27 Feb 2019 12:46

Instrument :
MSVOA_W
ClientSampleId :
VW0227SBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.6	9.3	13.9

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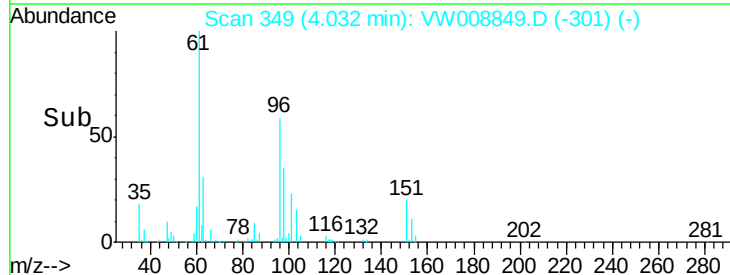
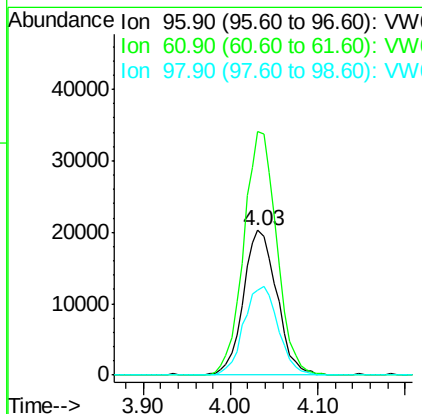
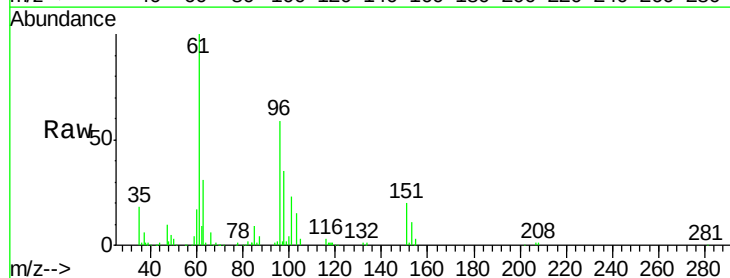
MMDadoda
3/1/2019 12:09:42 AM

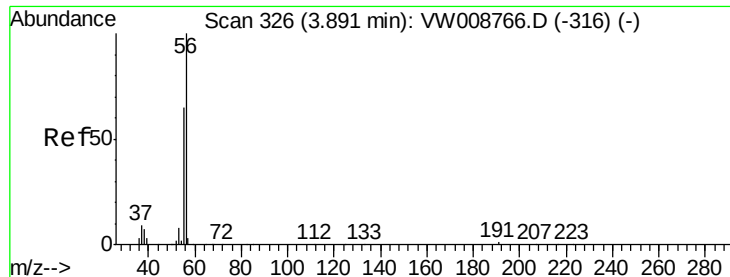


#12

1,1-Dichloroethene
Concen: 19.709 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.01 min
Lab File: VW008849.D
Acq: 27 Feb 2019 12:46

Tgt Ion	Ratio	Lower	Upper
96	100		
61	168.5	132.5	198.7
98	58.7	48.2	72.4





#13

Acrolein

Concen: 97.929 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.00 min

Lab File: VW008849.D

Acq: 27 Feb 2019 12:46

Instrument :

MSVOA_W

ClientSampleId :

VW0227SBS01

Tot Ion: 56 Resp: 23289

Ion Ratio Lower Upper

56 100

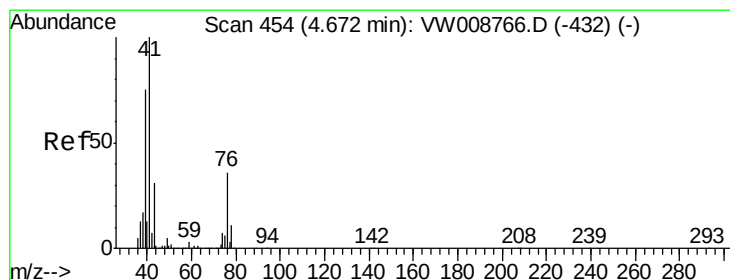
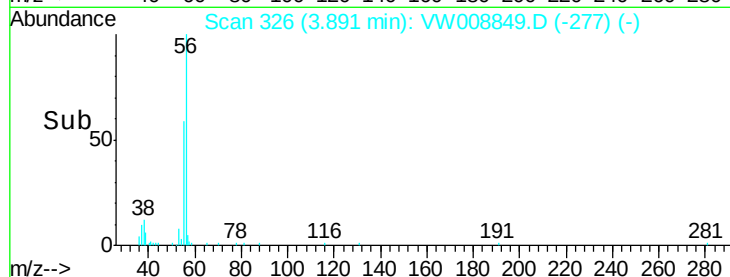
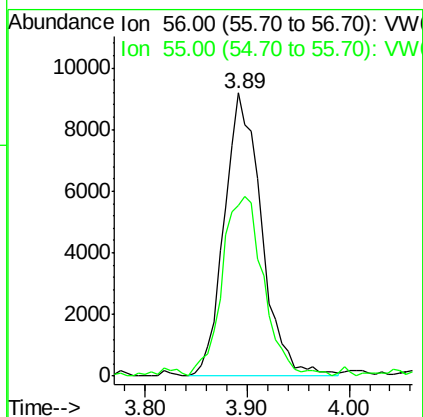
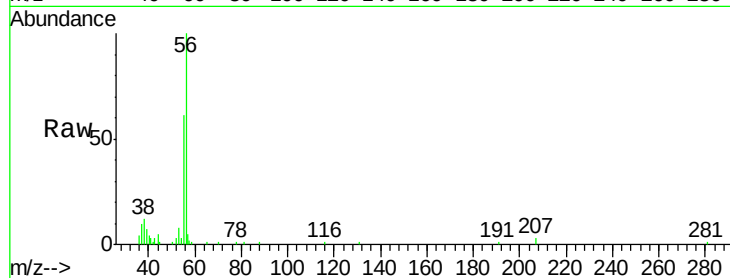
55 70.1 56.9 85.3

Manual Integrations

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#14

Allyl chloride

Concen: 19.385 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW008849.D

Acq: 27 Feb 2019 12:46

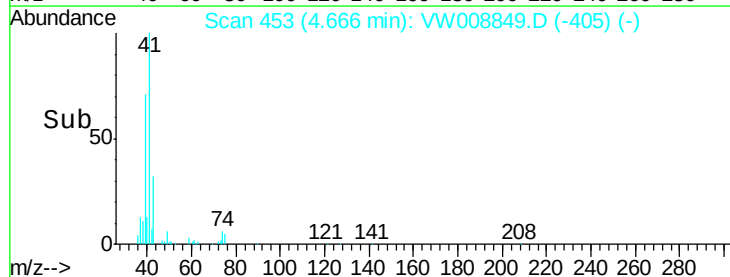
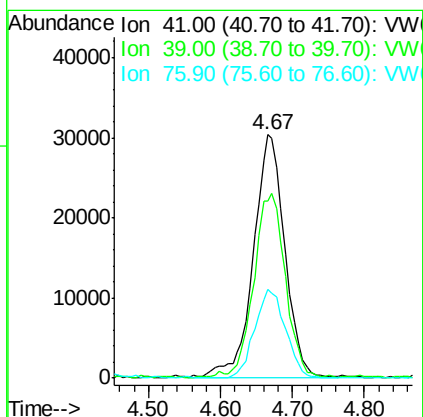
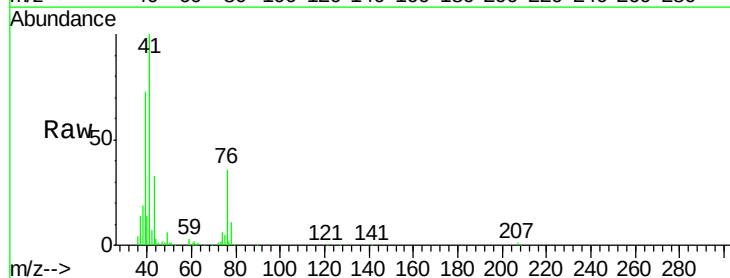
Tgt Ion: 41 Resp: 91275

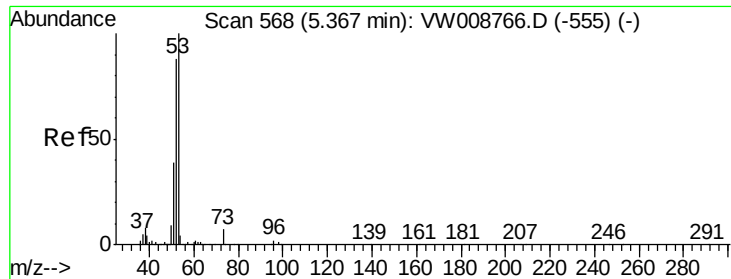
Ion Ratio Lower Upper

41 100

39 77.1 60.6 91.0

76 35.9 28.6 42.8





#15

Acrylonitrile

Concen: 99.189 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.00 min

Lab File: VW008849.D

Acq: 27 Feb 2019 12:46

Instrument :

MSVOA_W

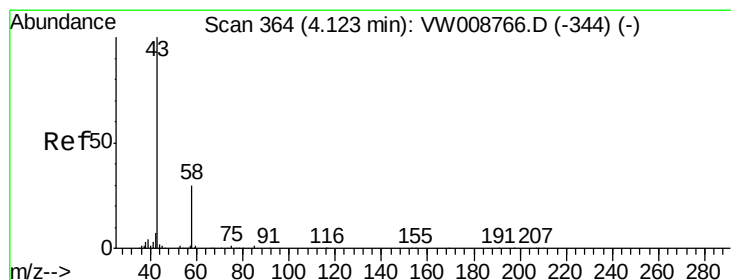
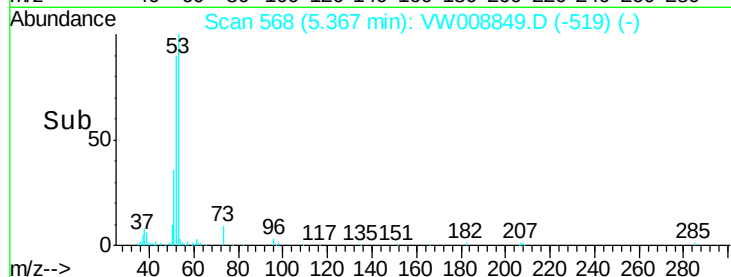
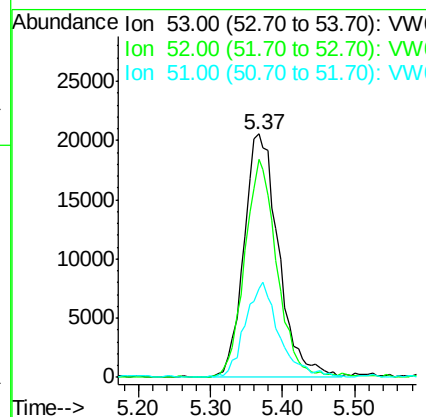
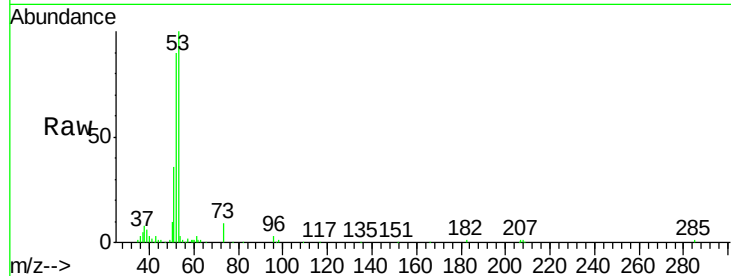
ClientSampleId :

VW0227SBS01

Tot Ion:	53	Resp:	68557
Ion	Ratio	Lower	Upper
53	100		
52	82.8	67.2	100.8
51	38.5	31.1	46.7

Manual Integrations
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#16

Acetone

Concen: 102.033 ug/l

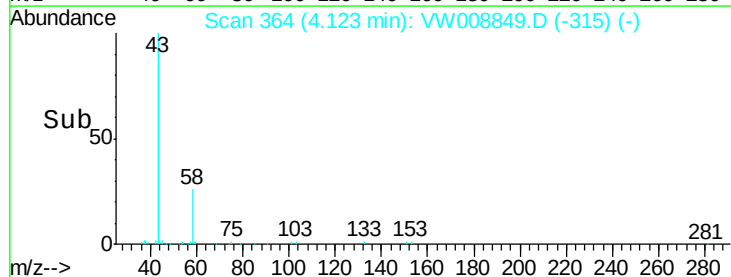
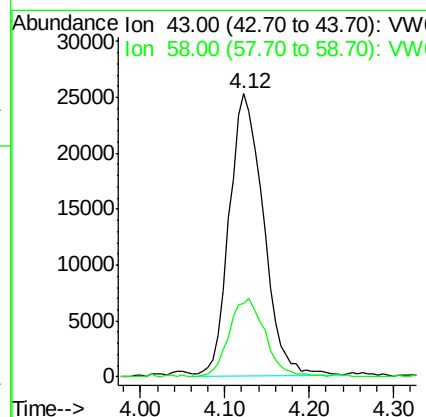
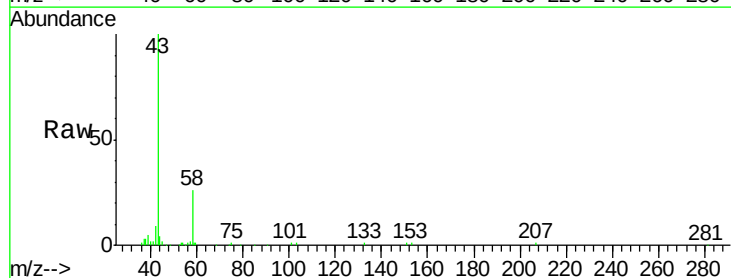
RT: 4.12 min Scan# 364

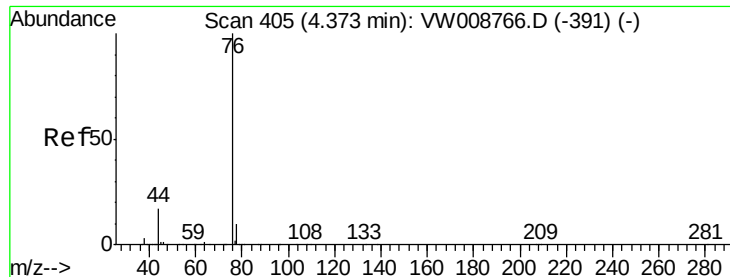
Delta R.T. 0.00 min

Lab File: VW008849.D

Acq: 27 Feb 2019 12:46

Tgt Ion:	43	Resp:	69117
Ion	Ratio	Lower	Upper
43	100		
58	26.0	23.8	35.6





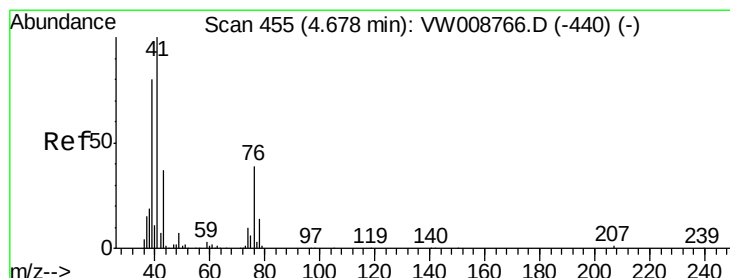
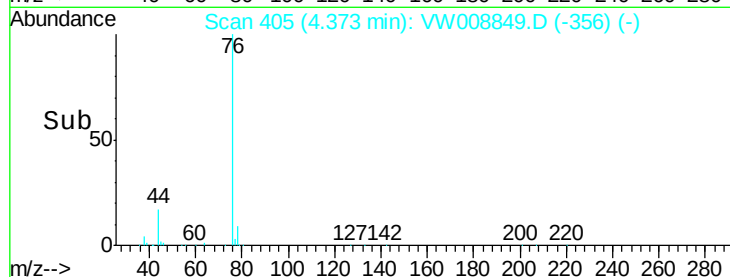
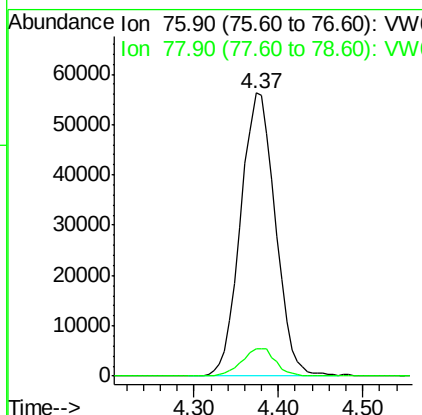
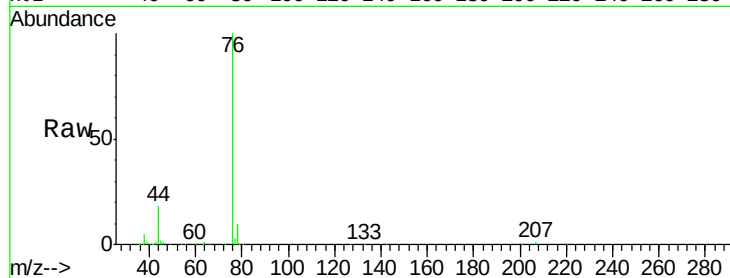
#17
Carbon Disulfide
Concen: 17.362 ug/l
RT: 4.37 min Scan# 405
Delta R.T. 0.00 min
Lab File: VW008849.D
Acq: 27 Feb 2019 12:46

Instrument :
MSVOA_W
ClientSampleId :
VW0227SBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.9	7.8	11.8

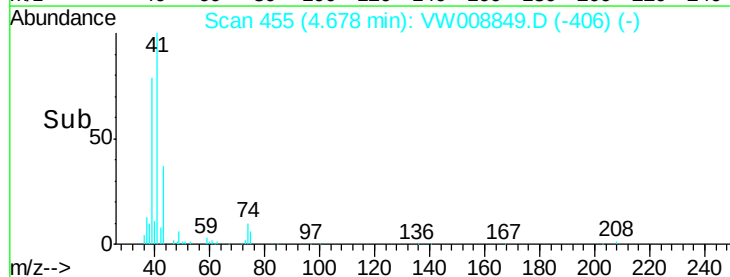
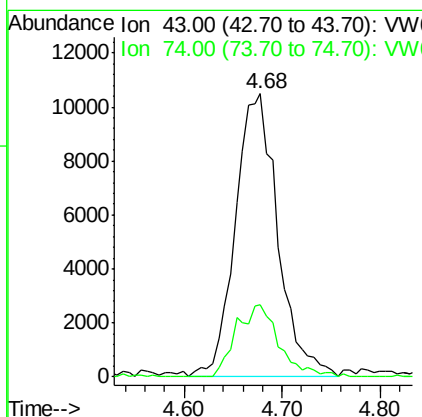
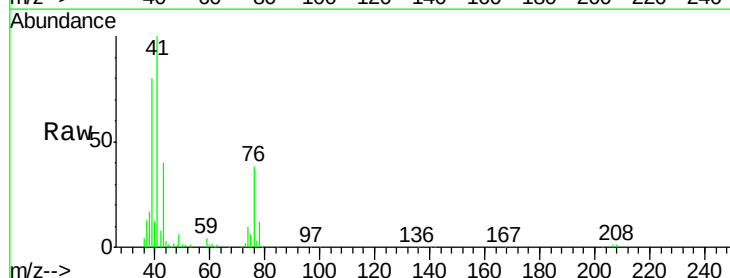
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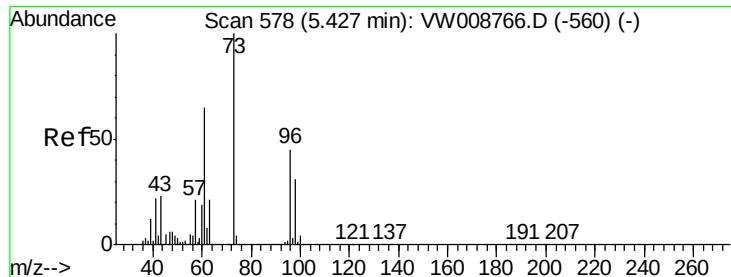
MMDadoda
3/1/2019 12:09:42 AM



#18
Methyl Acetate
Concen: 19.724 ug/l
RT: 4.68 min Scan# 455
Delta R.T. 0.00 min
Lab File: VW008849.D
Acq: 27 Feb 2019 12:46

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.8	19.4	29.2





#19

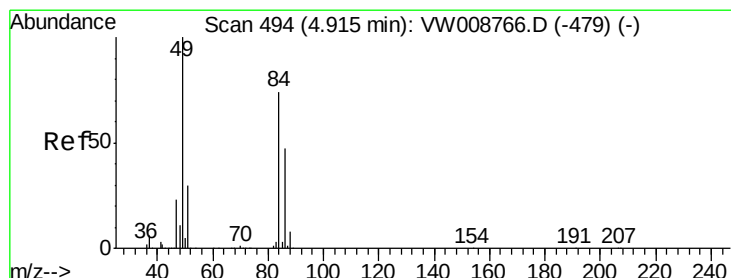
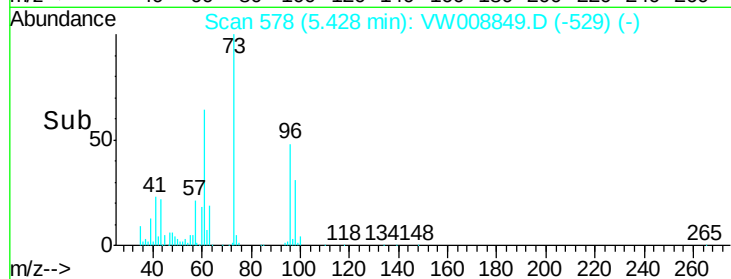
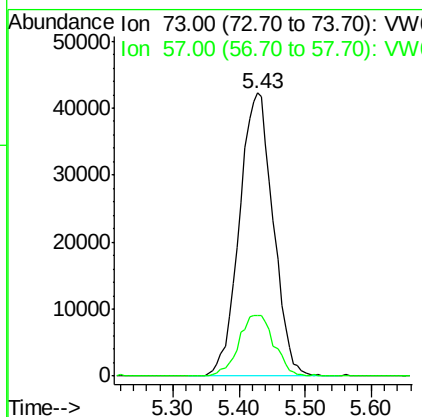
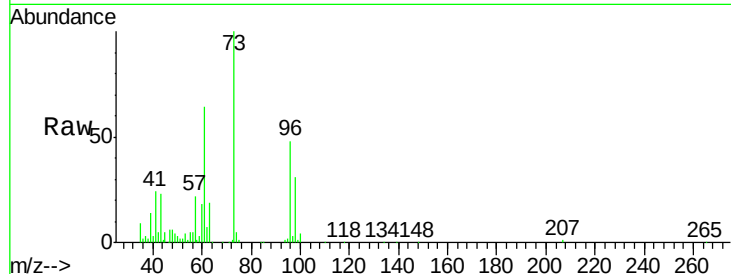
Methyl tert-butyl Ether
Concen: 20.242 ug/l
RT: 5.43 min Scan# 578
Delta R.T. 0.00 min
Lab File: VW008849.D
Acq: 27 Feb 2019 12:46

Instrument :
MSVOA_W
ClientSampleId :
VW0227SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.5	16.8	25.2

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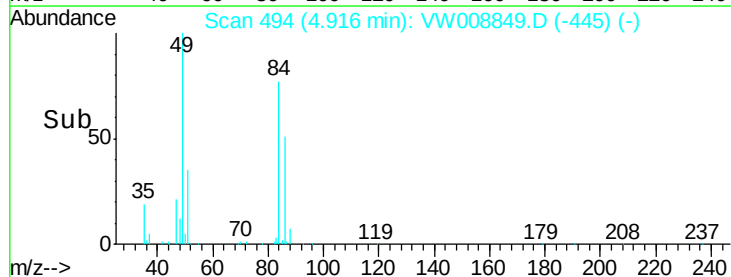
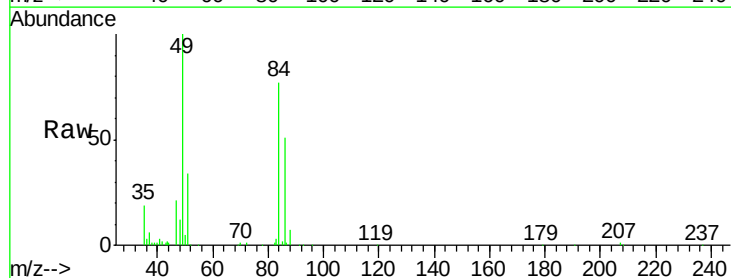
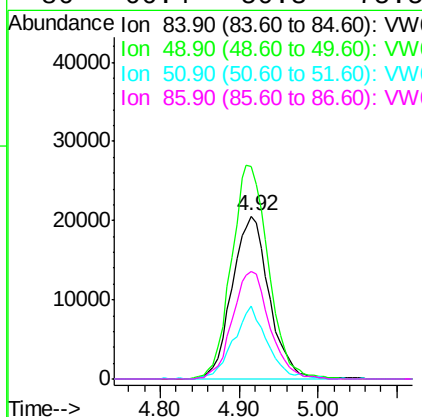
MMDadoda
3/1/2019 12:09:42 AM

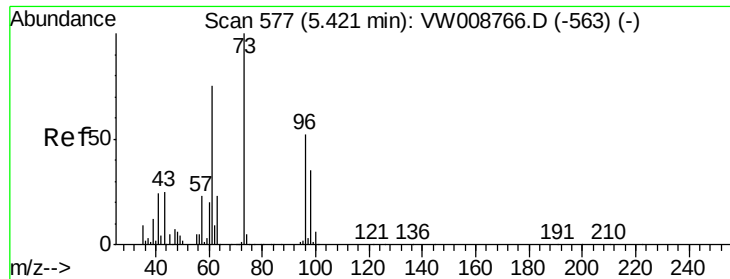


#20

Methylene Chloride
Concen: 16.693 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW008849.D
Acq: 27 Feb 2019 12:46

Tgt Ion	Ratio	Lower	Upper
84	100		
49	130.3	108.2	162.2
51	44.8	32.7	49.1
86	66.4	50.3	75.5





#21

trans-1,2-Dichloroethene

Concen: 19.391 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW008849.D

Acq: 27 Feb 2019 12:46

Instrument :

MSVOA_W

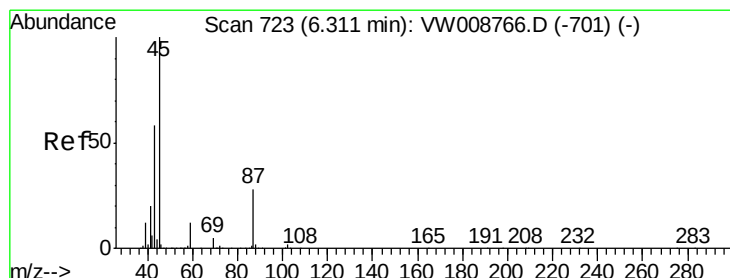
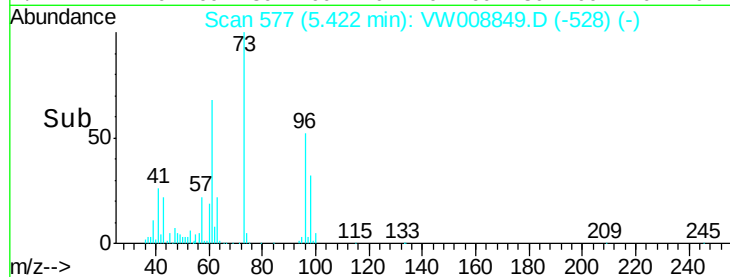
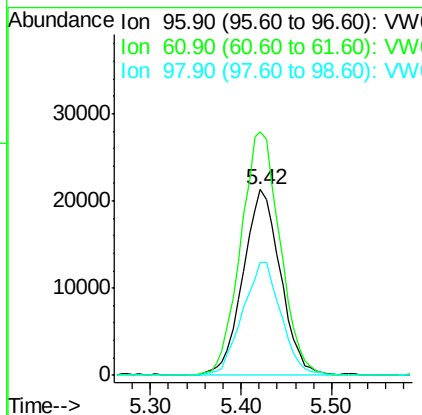
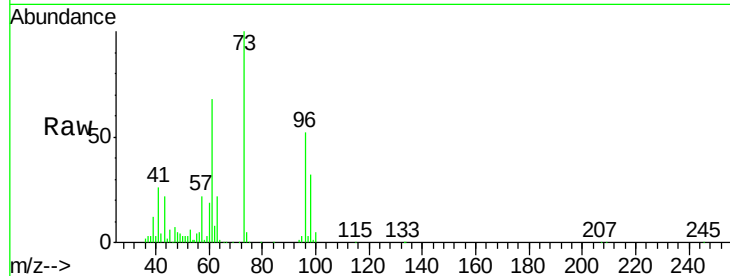
ClientSampled :

VW0227SBSD01

Tot Ion:	96	Resp:	61195
Ion	Ratio	Lower	Upper
96	100		
61	130.8	114.6	171.8
98	60.8	54.0	81.0

Manual Integrations
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#22

Diisopropyl ether

Concen: 20.003 ug/l

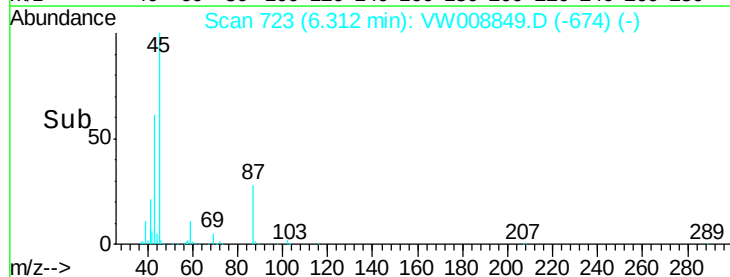
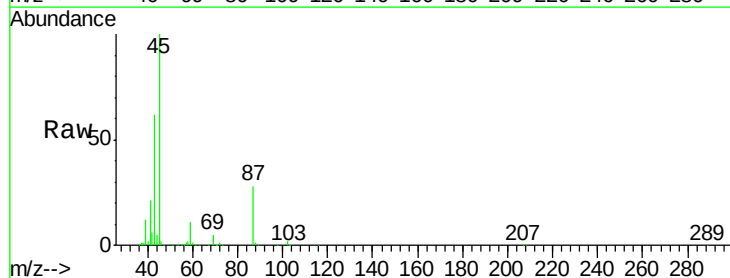
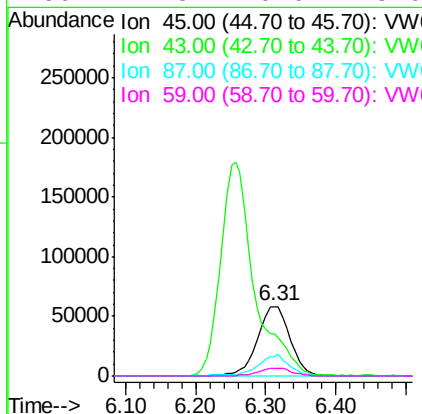
RT: 6.31 min Scan# 723

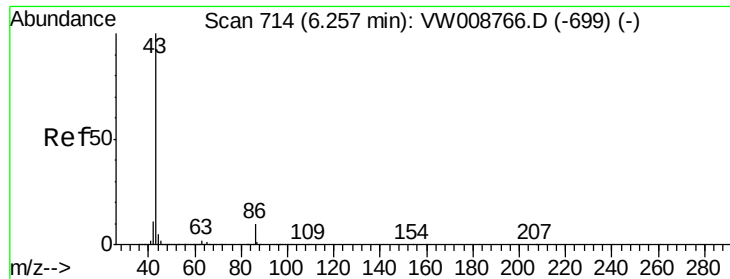
Delta R.T. 0.00 min

Lab File: VW008849.D

Acq: 27 Feb 2019 12:46

Tgt Ion:	45	Resp:	187880
Ion	Ratio	Lower	Upper
45	100		
43	61.4	46.1	69.1
87	27.7	22.2	33.4
59	11.3	10.0	15.0





#23

Vinyl Acetate

Concen: 103.610 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.00 min

Lab File: VW008849.D

Acq: 27 Feb 2019 12:46

Instrument :

MSVOA_W

ClientSampleId :

VW0227SBSD01

Tot Ion: 43 Resp: 601291

Ion Ratio Lower Upper

43 100

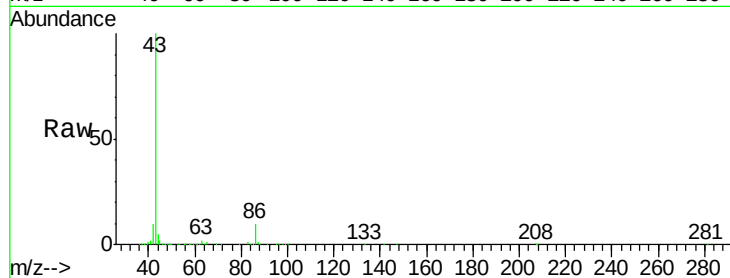
86 10.4 8.1 12.1

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

6.26

200000

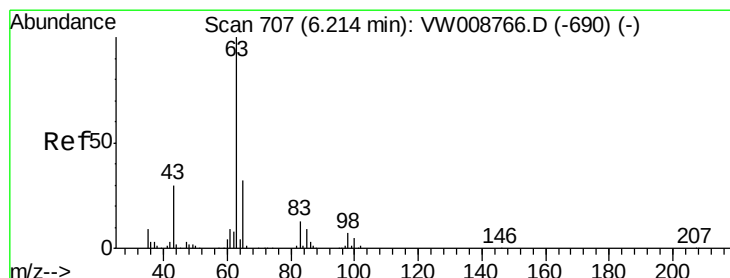
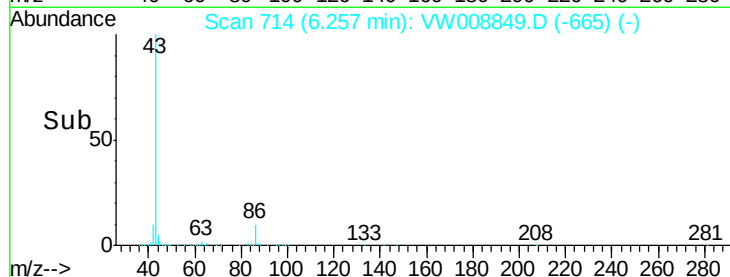
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 19.947 ug/l

RT: 6.22 min Scan# 708

Delta R.T. 0.01 min

Lab File: VW008849.D

Acq: 27 Feb 2019 12:46

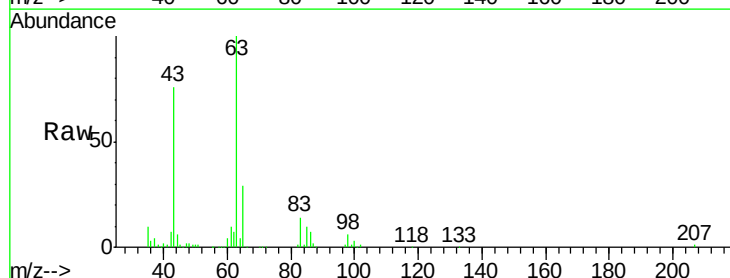
Tgt Ion: 63 Resp: 108571

Ion Ratio Lower Upper

63 100

98 6.2 3.5 10.6

100 3.1 2.4 7.2



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW

6.22

40000

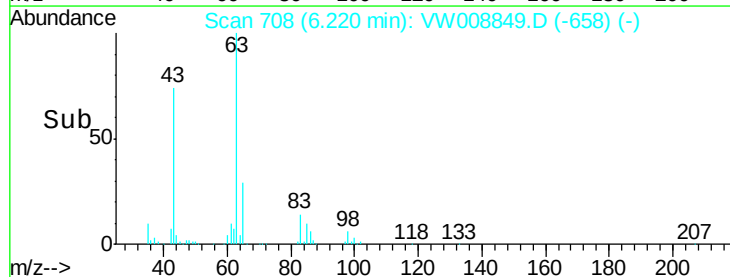
30000

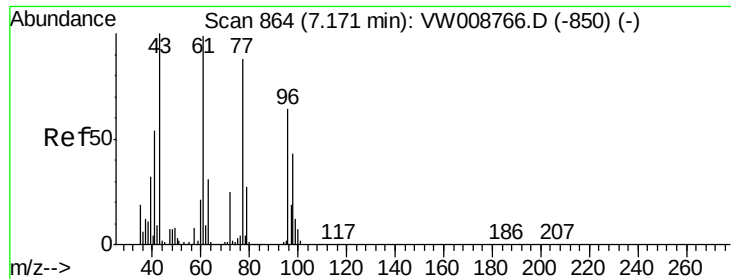
20000

10000

0

Time-->





#25

2-Butanone

Concen: 100.093 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW008849.D

Acq: 27 Feb 2019 12:46

Instrument :

MSVOA_W

ClientSampled :

VW0227SBS01

Tot Ion: 43 Resp: 94793

Ion Ratio Lower Upper

43 100

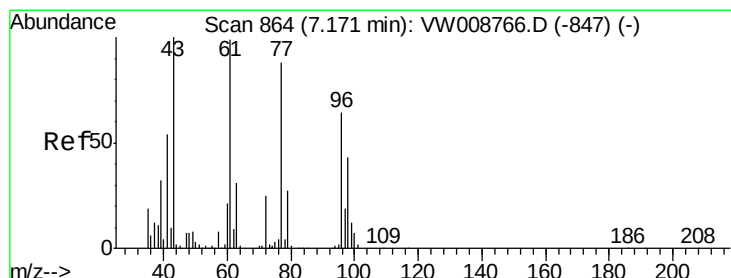
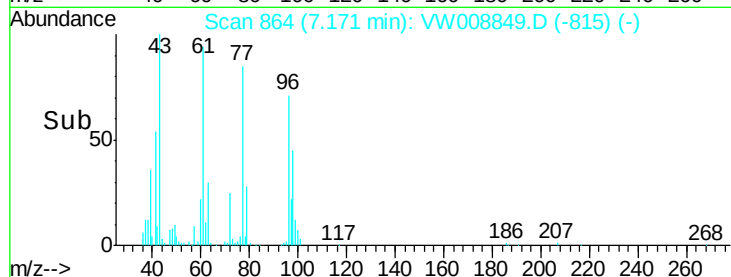
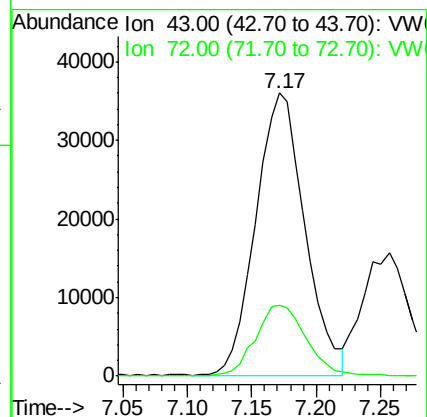
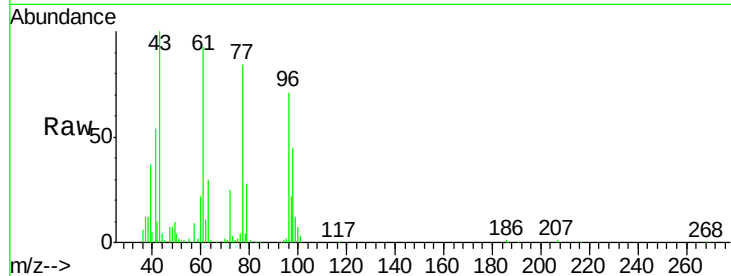
72 25.3 19.7 29.5

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 19.620 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW008849.D

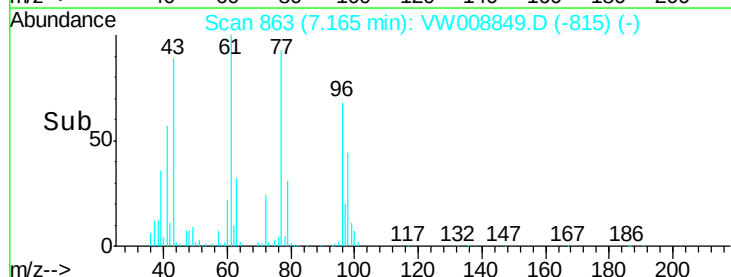
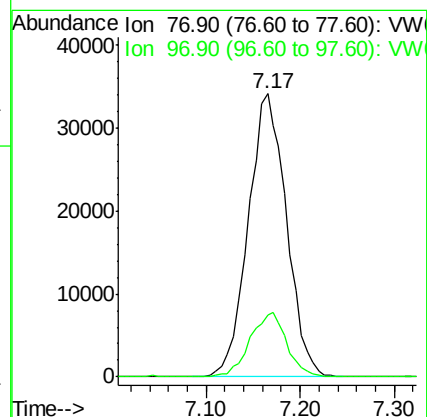
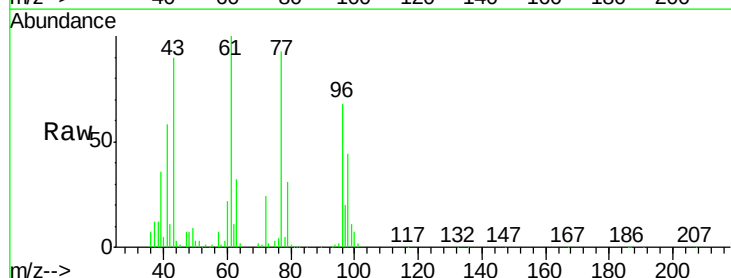
Acq: 27 Feb 2019 12:46

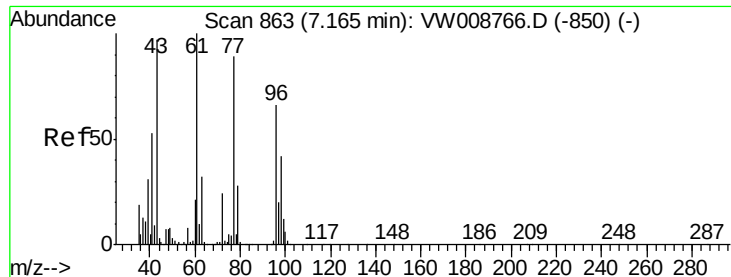
Tgt Ion: 77 Resp: 96953

Ion Ratio Lower Upper

77 100

97 22.0 11.0 33.0





#27

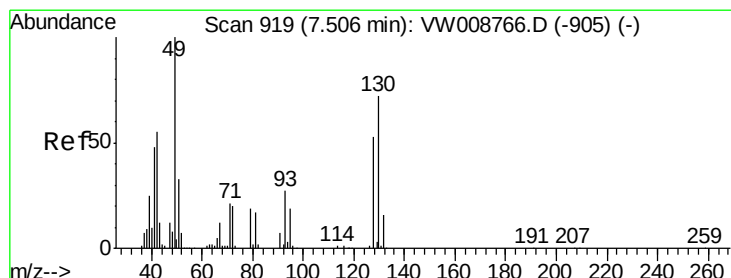
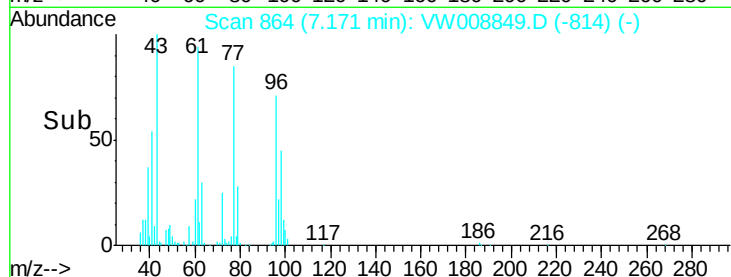
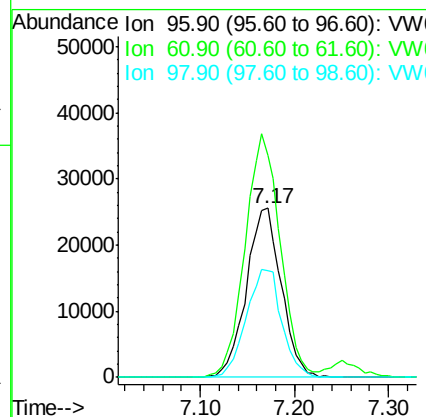
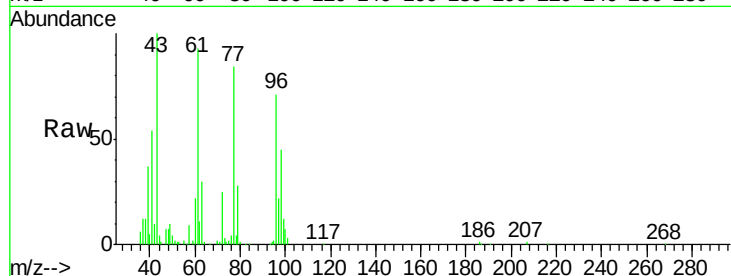
cis-1,2-Dichloroethene
 Concen: 19.666 ug/l
 RT: 7.17 min Scan# 864
 Delta R.T. 0.01 min
 Lab File: VW008849.D
 Acq: 27 Feb 2019 12:46

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0227SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	144.4	0.0	302.6
98	64.9	0.0	130.0

Manual Integrations
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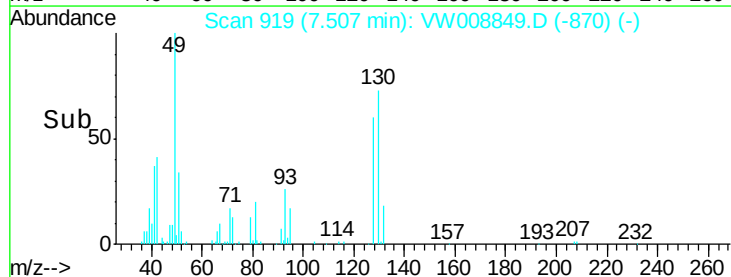
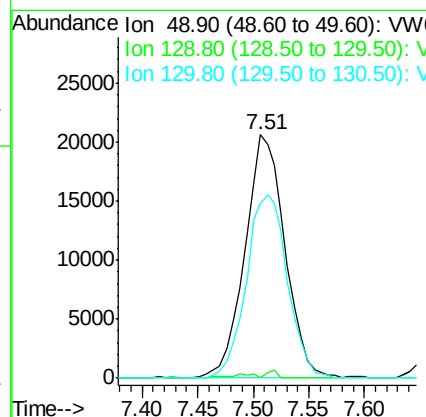
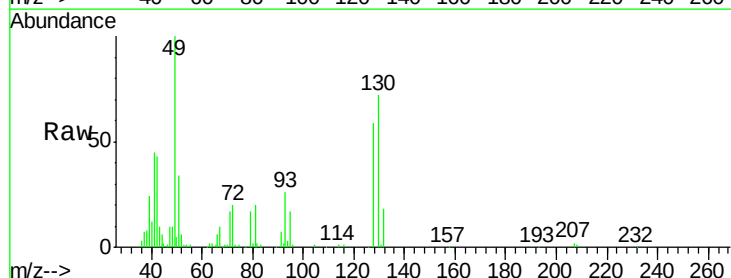
MMDadoda
 3/1/2019 12:09:42 AM

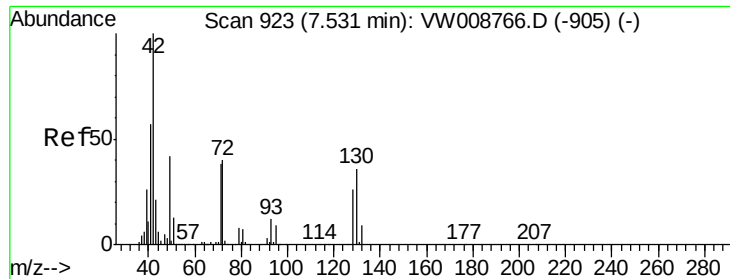


#28

Bromochloromethane
 Concen: 22.614 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. 0.00 min
 Lab File: VW008849.D
 Acq: 27 Feb 2019 12:46

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.8	0.0	2.6
130	77.4	61.3	91.9





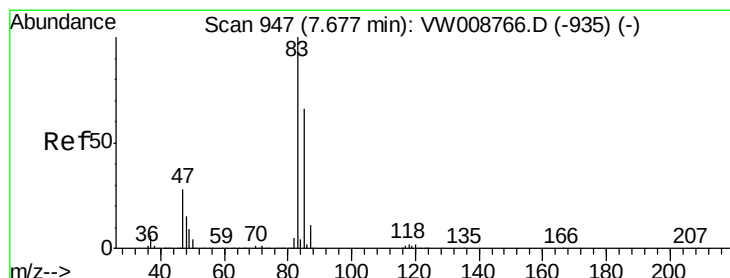
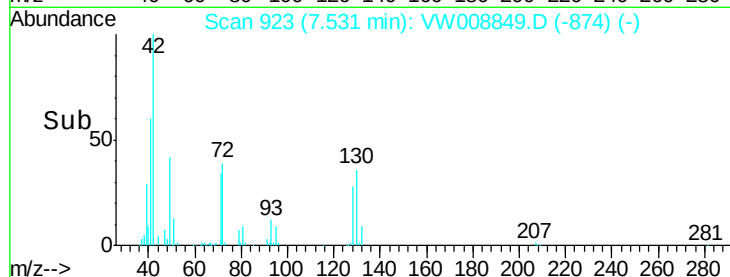
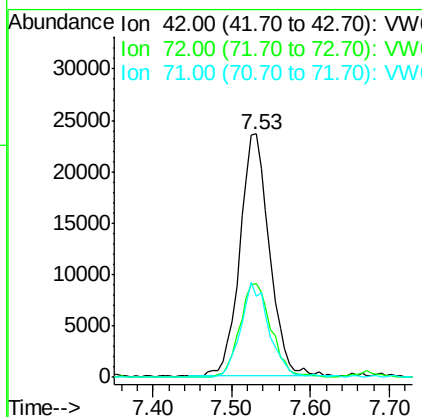
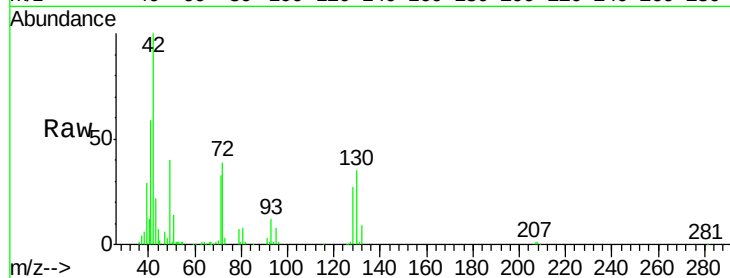
#29
Tetrahydrofuran
Concen: 102.087 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.00 min
Lab File: VW008849.D
Acq: 27 Feb 2019 12:46

Instrument :
MSVOA_W
ClientSampleId :
VW0227SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.2	32.7	49.1
71	37.2	31.3	46.9

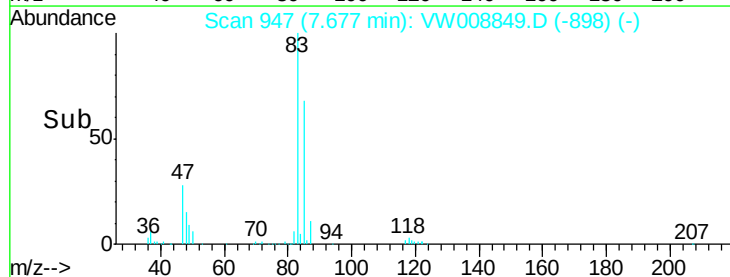
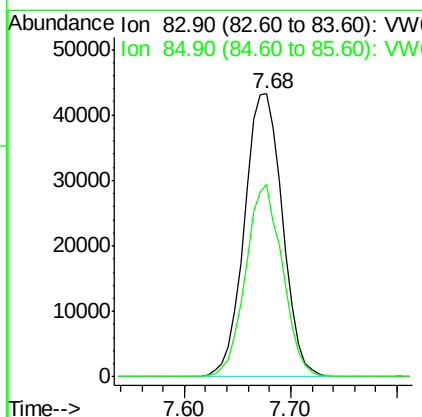
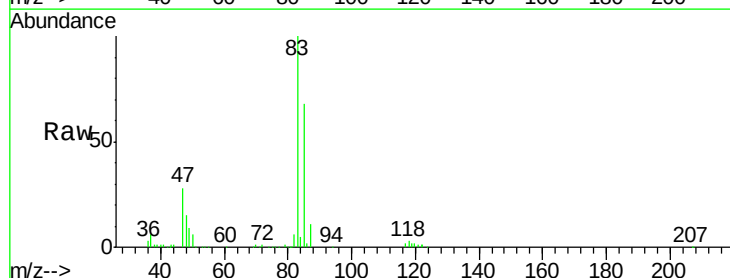
Manual Integrations
APPROVED

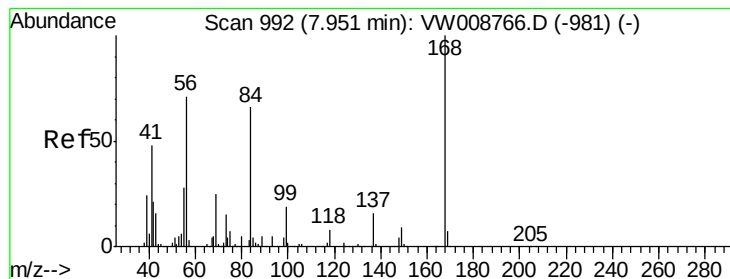
MMDadoda
3/1/2019 12:09:42 AM



#30
Chloroform
Concen: 19.426 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW008849.D
Acq: 27 Feb 2019 12:46

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.9	52.6	79.0





#31

Cyclohexane

Concen: 19.742 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW008849.D

Acq: 27 Feb 2019 12:46

Instrument :

MSVOA_W

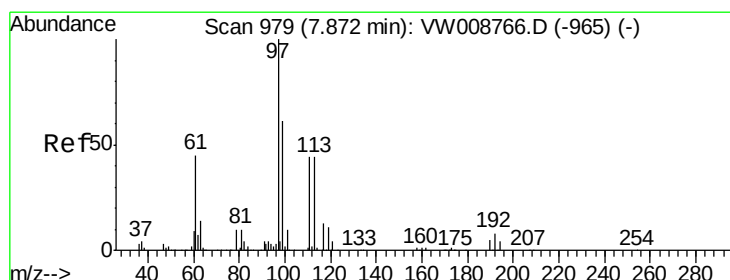
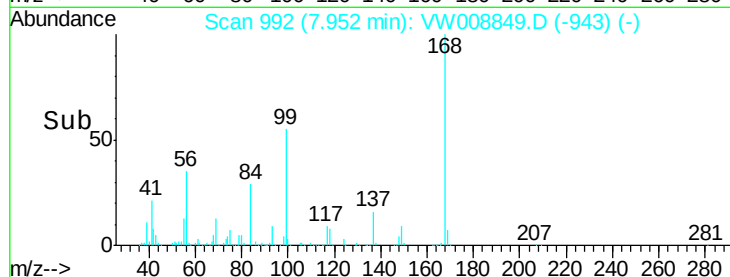
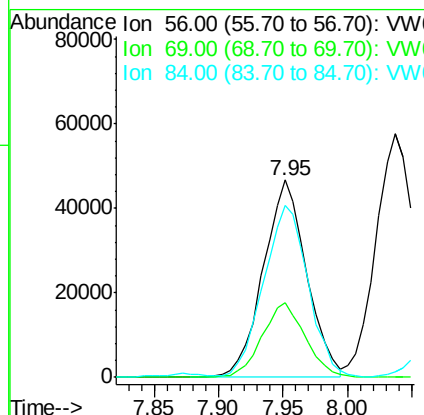
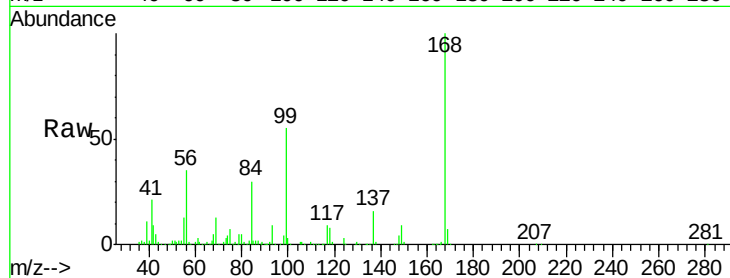
ClientSampleId :

VW0227SBS01

Tot Ion:	56	Resp:	108770
Ion	Ratio	Lower	Upper
56	100		
69	37.6	28.2	42.4
84	85.3	74.1	111.1

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 19.845 ug/l

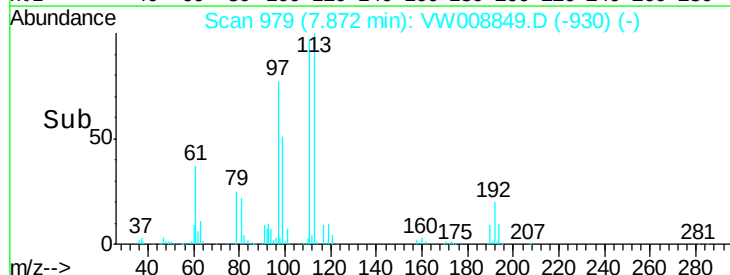
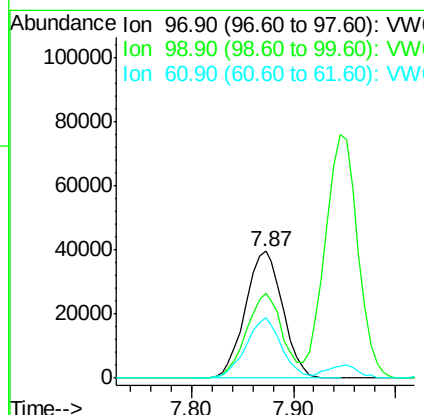
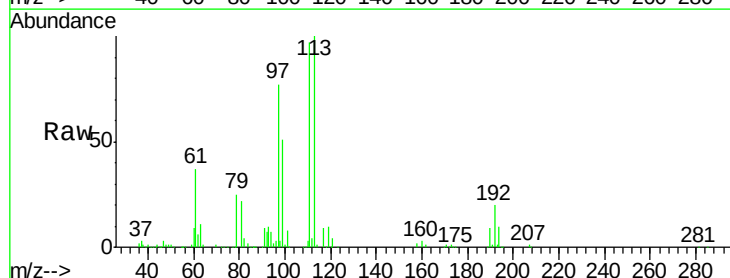
RT: 7.87 min Scan# 979

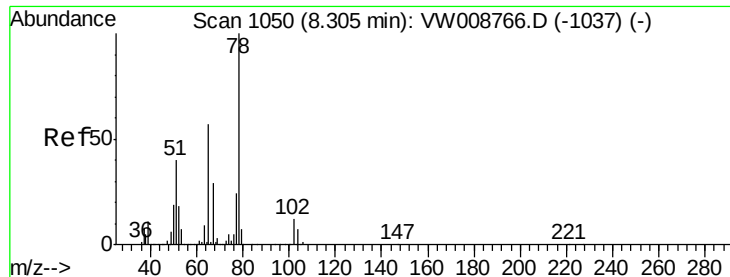
Delta R.T. 0.00 min

Lab File: VW008849.D

Acq: 27 Feb 2019 12:46

Tgt Ion:	97	Resp:	100773
Ion	Ratio	Lower	Upper
97	100		
99	65.2	50.8	76.2
61	45.6	36.0	54.0





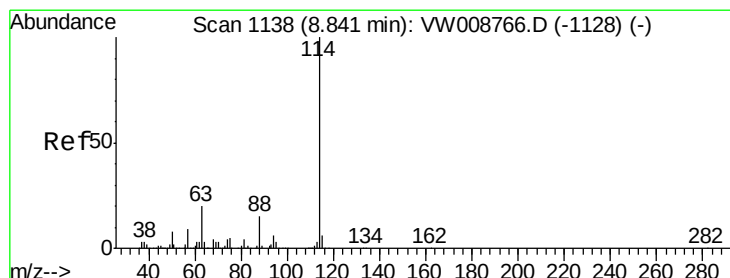
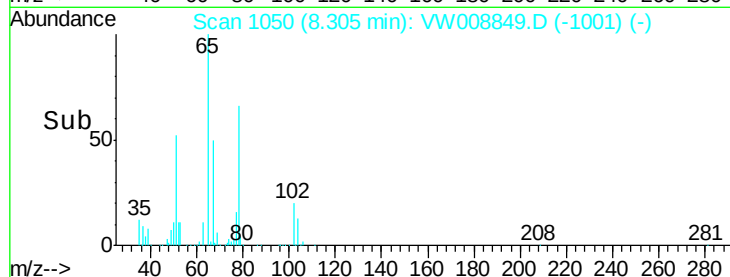
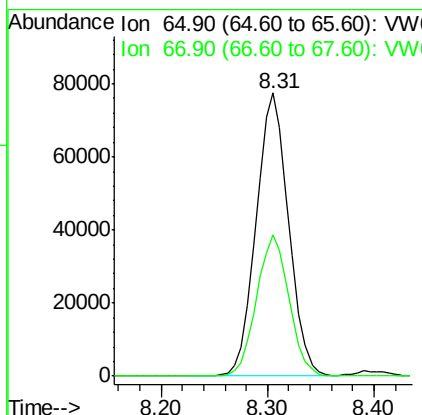
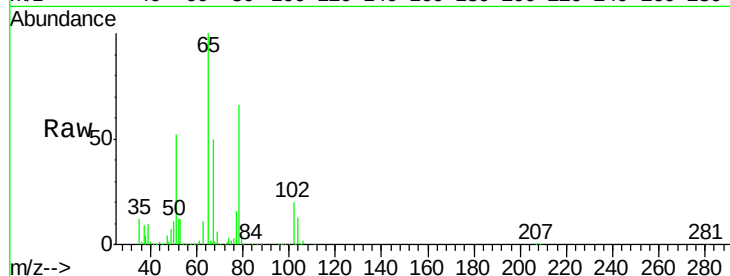
#33
 1,2-Dichloroethane-d4
 Concen: 56.547 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW008849.D
 Acq: 27 Feb 2019 12:46

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0227SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	49.9	0.0	101.4	

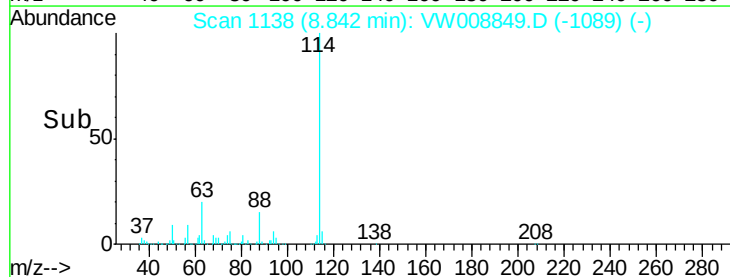
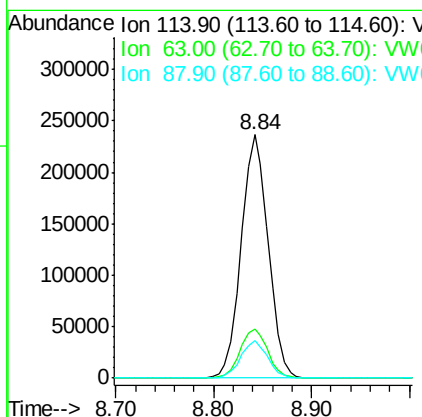
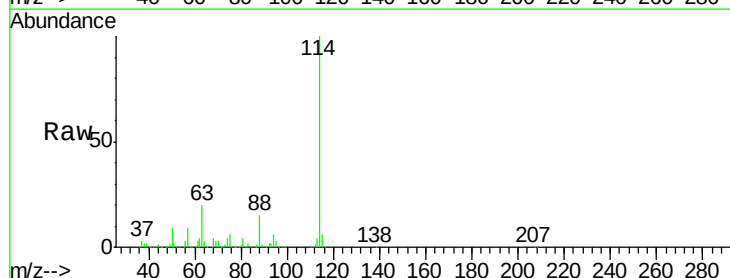
Manual Integrations
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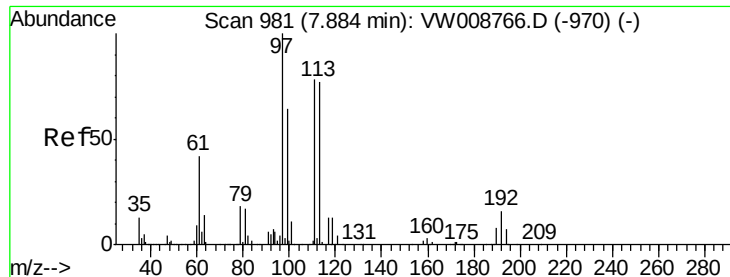
MMDadoda
 3/1/2019 12:09:42 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW008849.D
 Acq: 27 Feb 2019 12:46

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	20.0	0.0	40.8	
88	15.3	0.0	30.4	





#35

Dibromofluoromethane

Concen: 56.244 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW008849.D

Acq: 27 Feb 2019 12:46

Instrument :

MSVOA_W

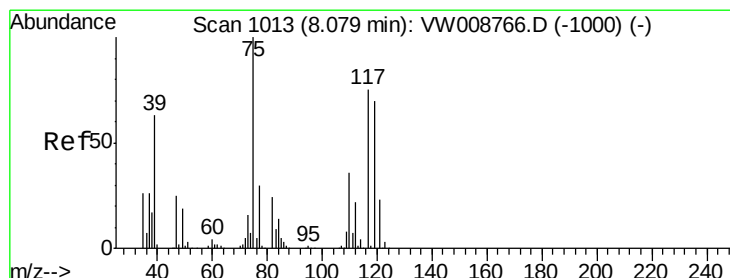
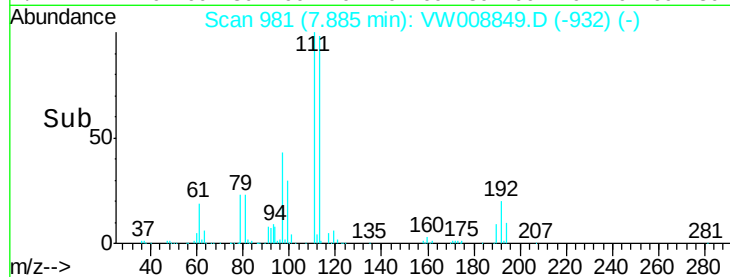
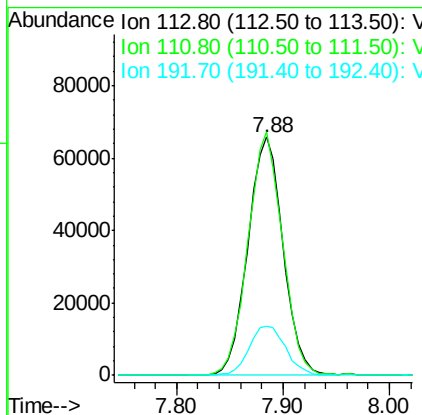
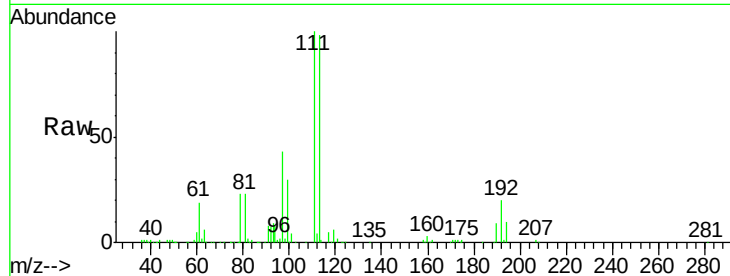
ClientSampleId :

VW0227SBS01

Tot Ion:	113	Resp:	152653
Ion Ratio	Lower	Upper	
113	100		
111	100.3	81.9	122.9
192	21.5	17.1	25.7

Manual Integrations
APPROVED

MMDadoda
3/1/2019 12:09:42 AM



#36

1,1-Dichloropropene

Concen: 20.354 ug/l

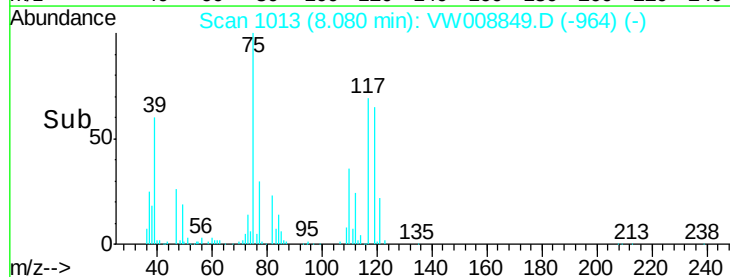
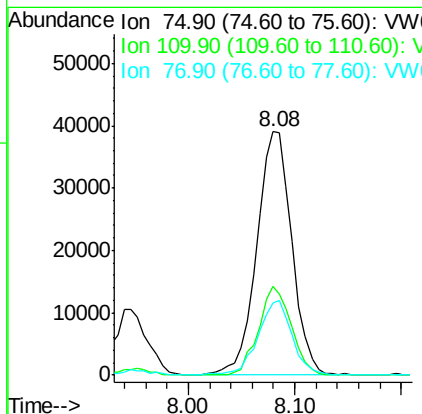
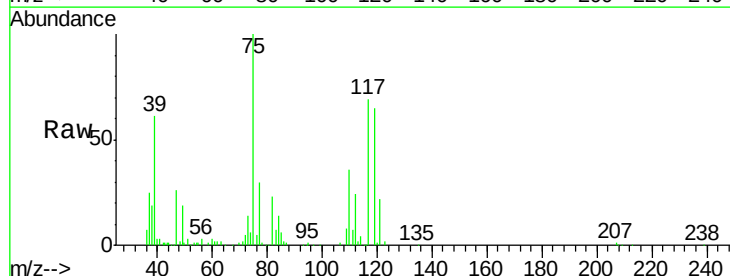
RT: 8.08 min Scan# 1013

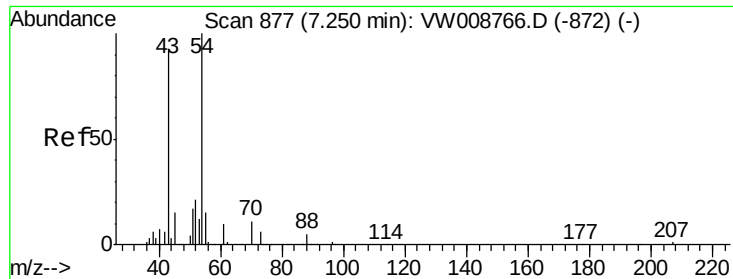
Delta R.T. 0.00 min

Lab File: VW008849.D

Acq: 27 Feb 2019 12:46

Tgt Ion:	75	Resp:	89564
Ion Ratio	Lower	Upper	
75	100		
110	34.3	17.5	52.6
77	29.8	24.5	36.7





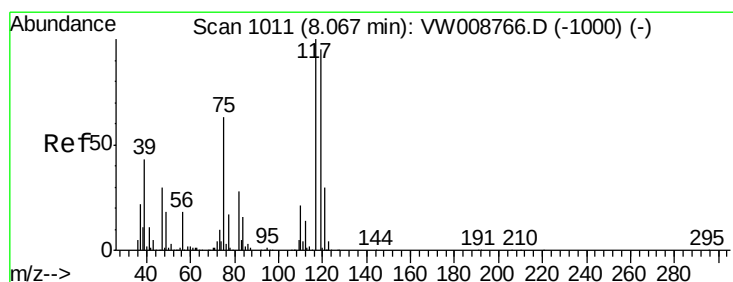
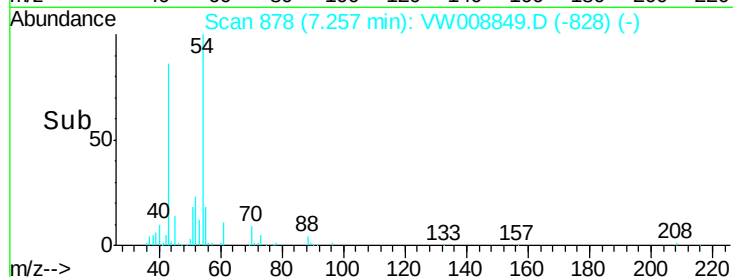
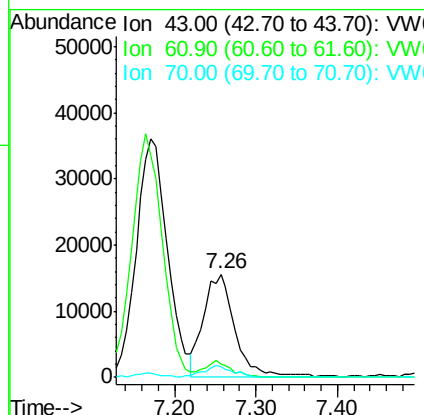
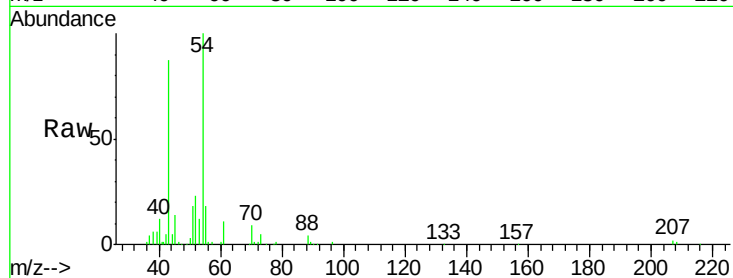
#37
Ethyl Acetate
Concen: 20.281 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.01 min
Lab File: VW008849.D
Acq: 27 Feb 2019 12:46

Instrument :
MSVOA_W
ClientSampleId :
VW0227SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.6	9.8	14.8
70	10.9	8.4	12.6

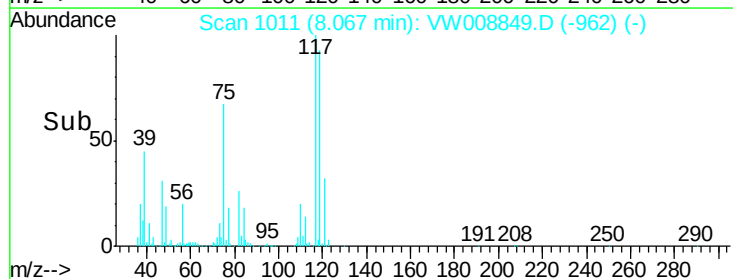
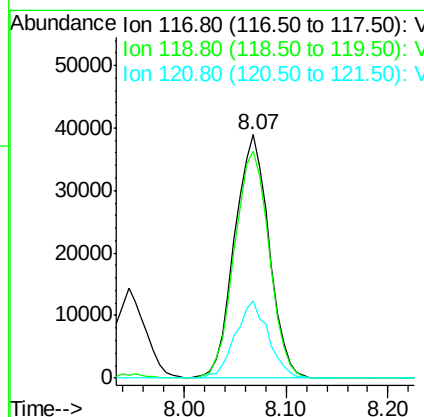
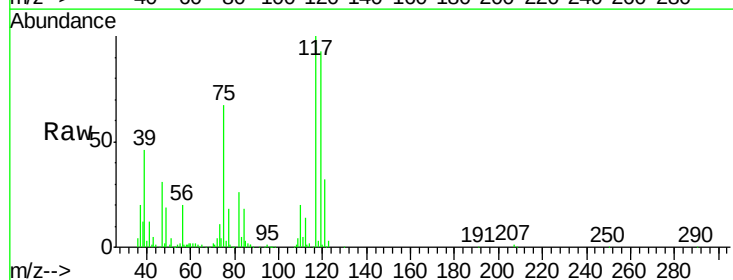
Manual Integrations
APPROVED

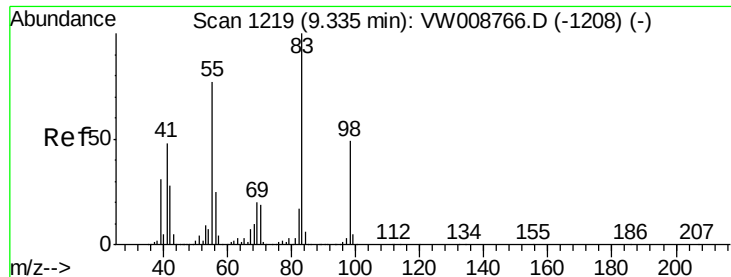
MMDadoda
3/1/2019 12:09:42 AM



#38
Carbon Tetrachloride
Concen: 19.648 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW008849.D
Acq: 27 Feb 2019 12:46

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.5	76.1	114.1
121	31.7	24.0	36.0





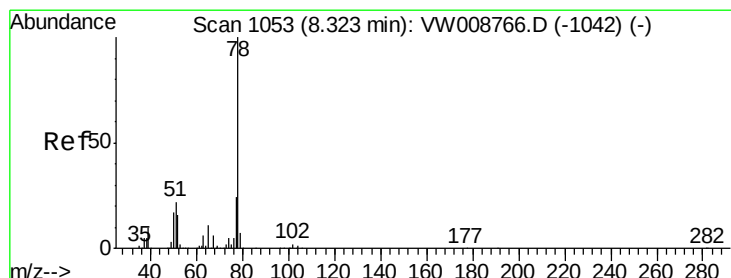
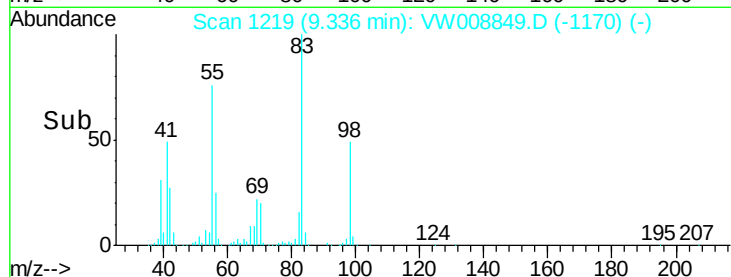
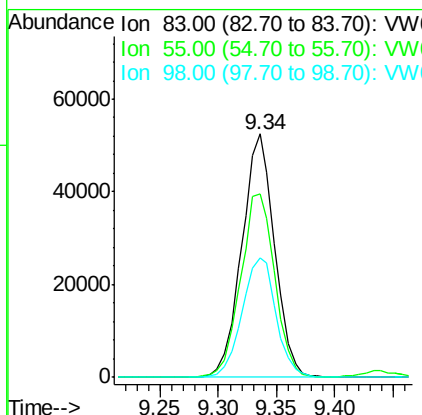
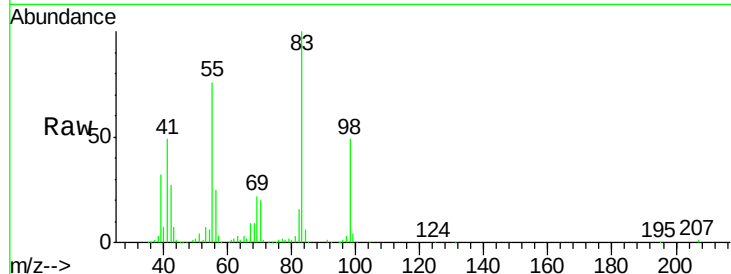
#39
Methylvlcyclohexane
Concen: 18.705 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW008849.D
Acq: 27 Feb 2019 12:46

Instrument :
MSVOA_W
ClientSampleId :
VW0227SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	102665		
55	75.4		61.2	91.8
98	48.9		39.4	59.2

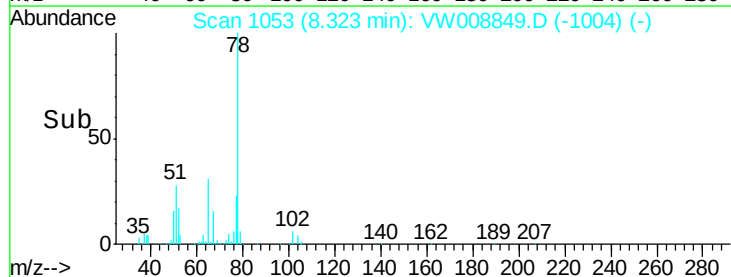
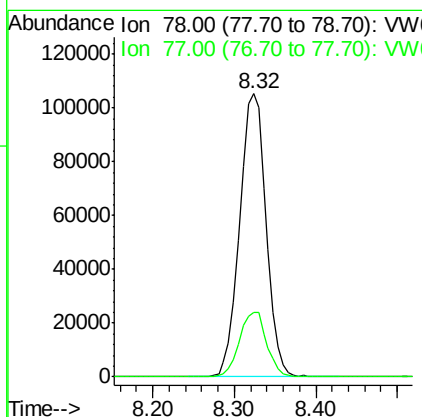
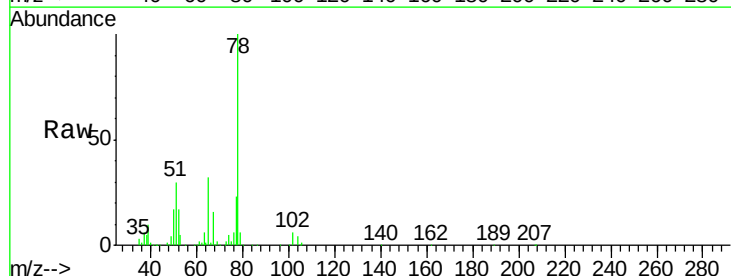
Manual Integrations
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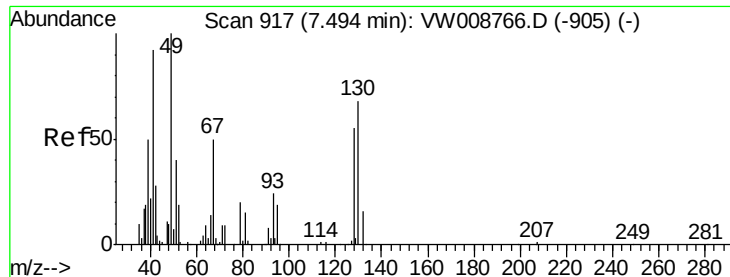
MMDadoda
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#40
Benzene
Concen: 19.645 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW008849.D
Acq: 27 Feb 2019 12:46

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	236024		
77	23.0		19.3	28.9





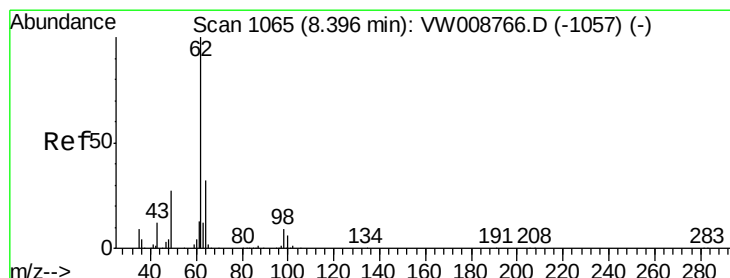
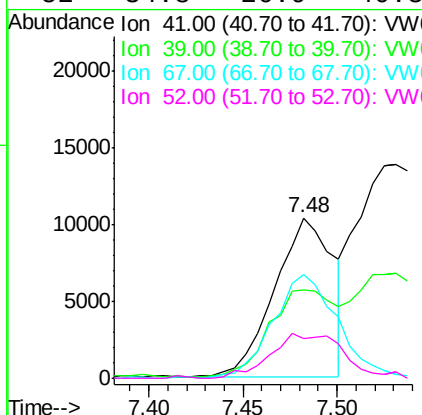
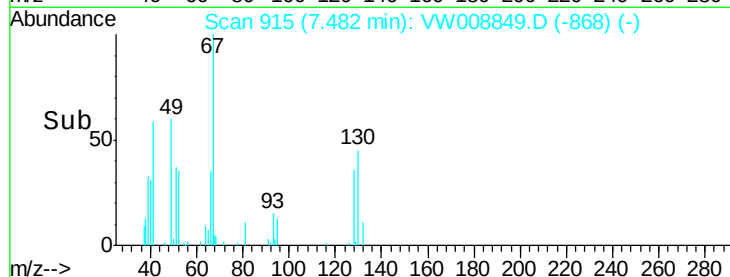
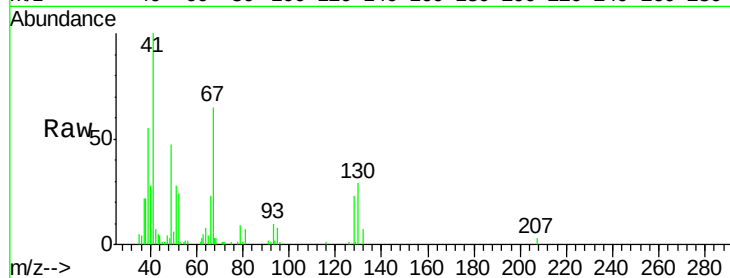
#41
Methacrylonitrile
Concen: 18.675 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.01 min
Lab File: VW008849.D
Acq: 27 Feb 2019 12:46

Instrument :
MSVOA_W
ClientSampleId :
VW0227SBSD01

Tot Ion:	41	Resp:	22463
Ion	Ratio	Lower	Upper
41	100		
39	61.1	52.5	78.7
67	73.4	55.0	82.6
52	34.8	26.9	40.3

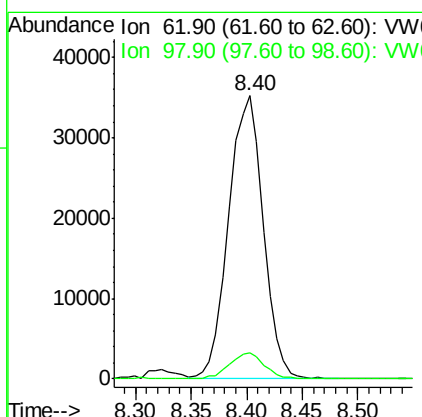
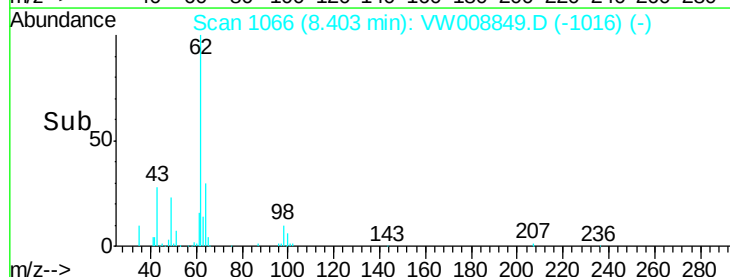
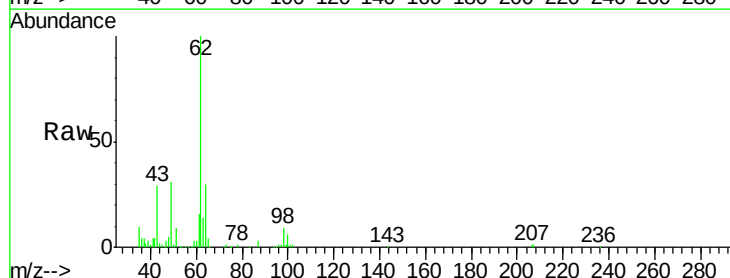
Manual Integrations
APPROVED

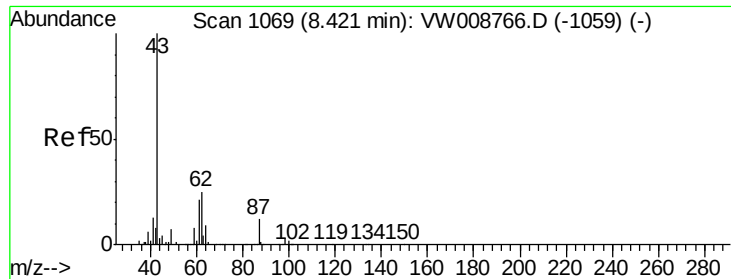
MMDadoda
3/1/2019 12:09:42 AM



#42
1,2-Dichloroethane
Concen: 19.993 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.01 min
Lab File: VW008849.D
Acq: 27 Feb 2019 12:46

Tgt Ion:	62	Resp:	76091
Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	18.2





#43

Isopropyl Acetate

Concen: 19.811 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.01 min

Lab File: VW008849.D

Acq: 27 Feb 2019 12:46

Instrument :

MSVOA_W

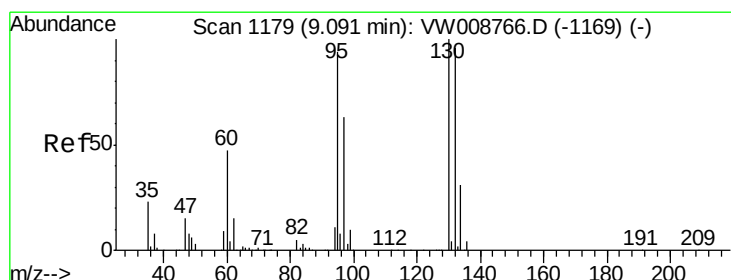
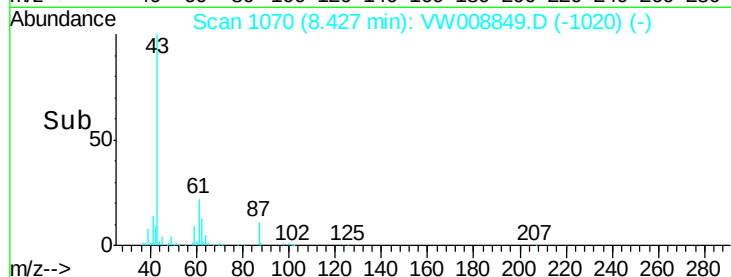
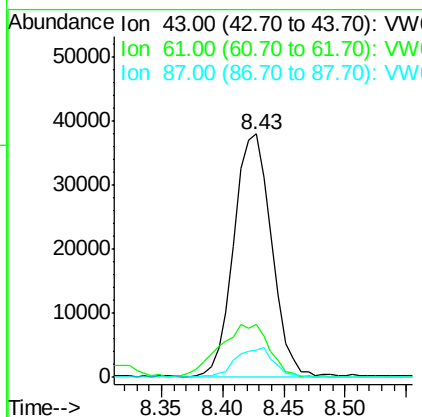
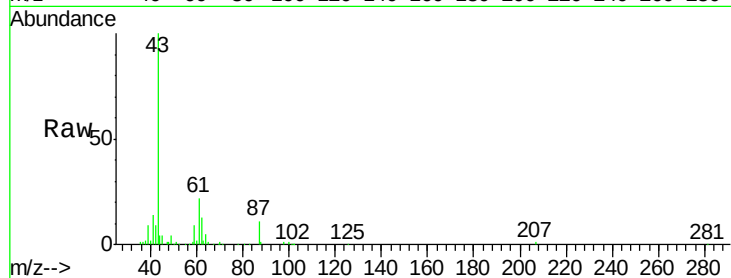
ClientSampleId :

VW0227SBS01

Tot Ion:	43	Resp:	80907
Ion	Ratio	Lower	Upper
43	100		
61	29.5	23.2	34.8
87	12.6	9.9	14.9

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#44

Trichloroethene

Concen: 19.658 ug/l

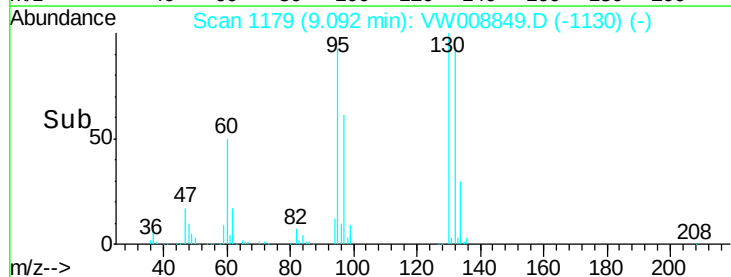
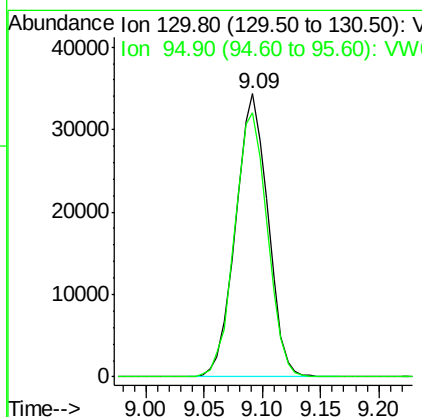
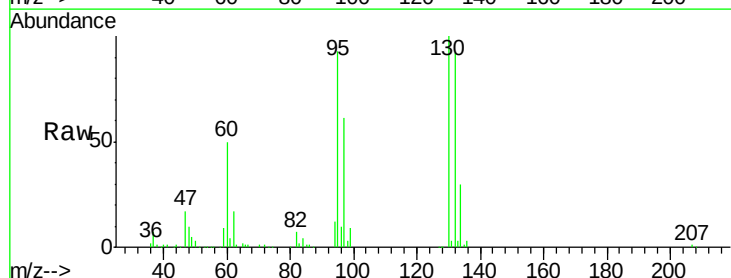
RT: 9.09 min Scan# 1179

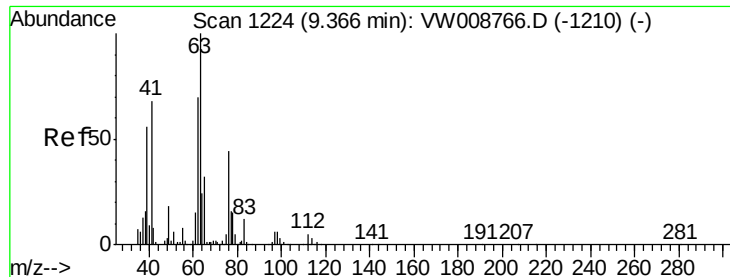
Delta R.T. 0.00 min

Lab File: VW008849.D

Acq: 27 Feb 2019 12:46

Tgt Ion:	130	Resp:	66534
Ion	Ratio	Lower	Upper
130	100		
95	93.4	0.0	188.6





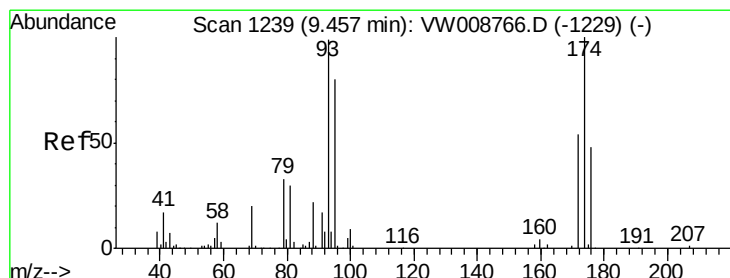
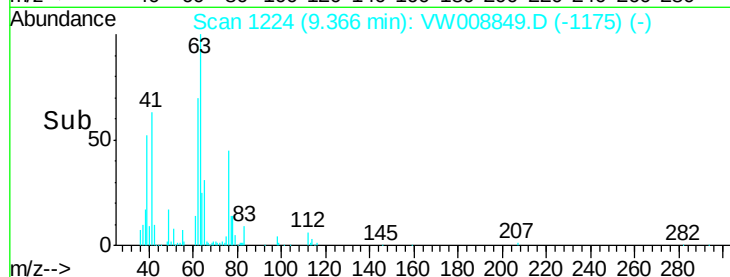
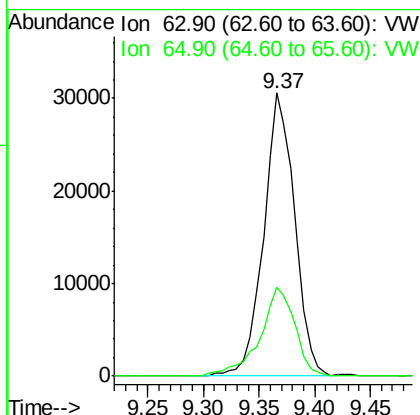
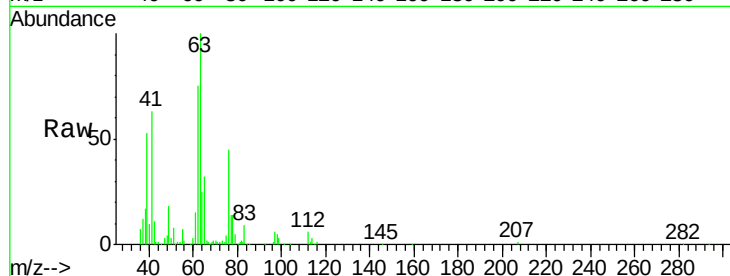
#45
 1,2-Dichloropropane
 Concen: 19.989 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW008849.D
 Acq: 27 Feb 2019 12:46

Instrument :
 MSVOA_W
 ClientSampled :
 VW0227SBSD01

Tot Ion	63	Resp	59346
Ion Ratio	Lower	Upper	
63	100		
65	31.5	25.5	38.3

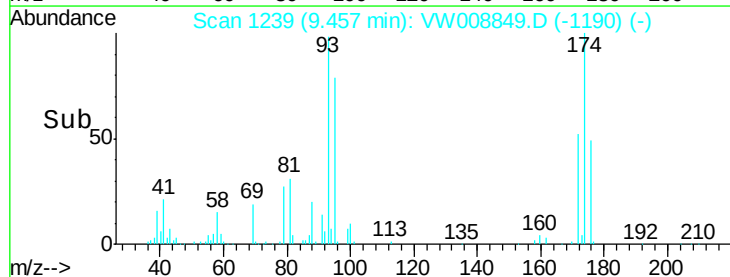
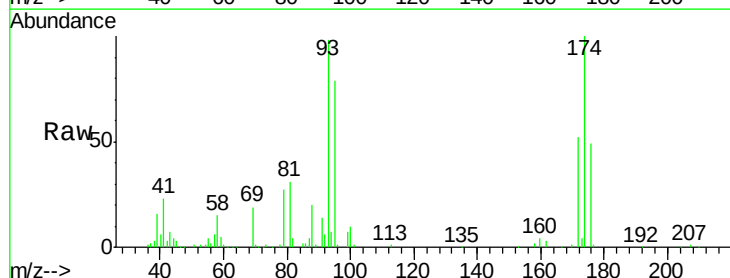
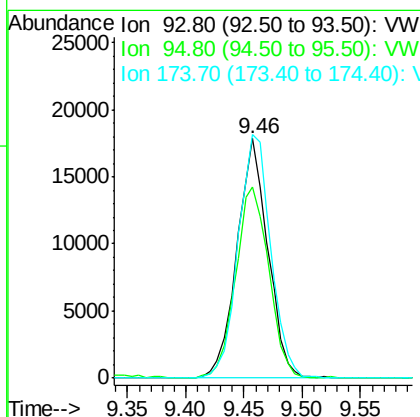
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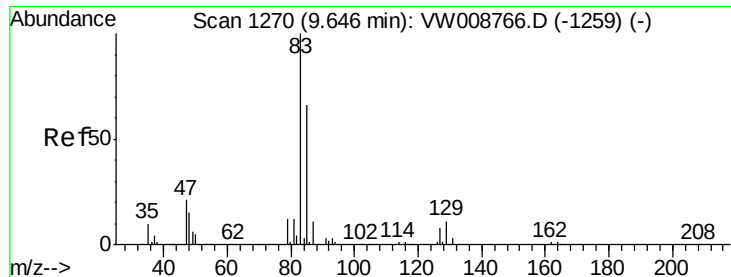
MMDadoda
 3/1/2019 12:09:42 AM



#46
 Dibromomethane
 Concen: 20.047 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW008849.D
 Acq: 27 Feb 2019 12:46

Tgt Ion	93	Resp	33107
Ion Ratio	Lower	Upper	
93	100		
95	85.4	67.7	101.5
174	107.0	86.7	130.1





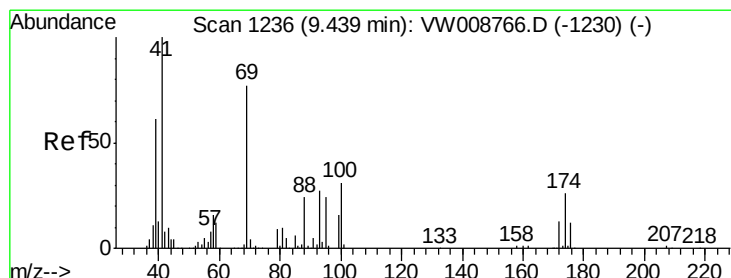
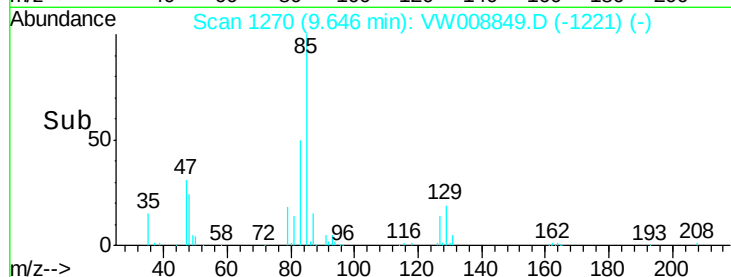
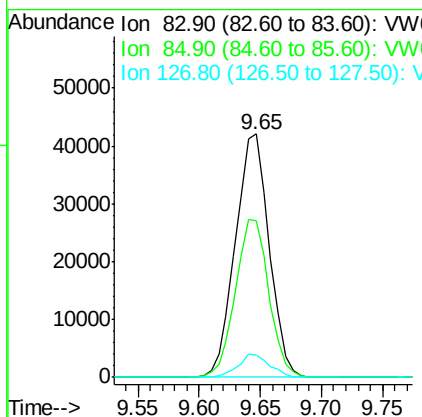
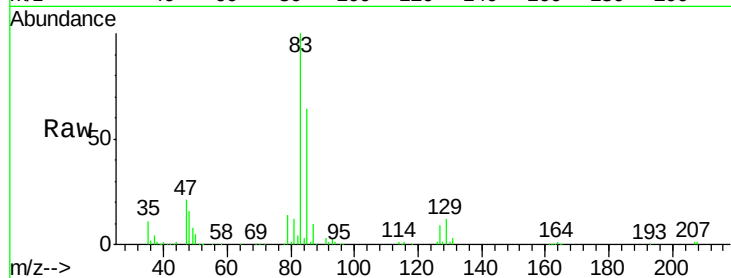
#47
Bromodichloromethane
Concen: 20.067 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. 0.00 min
Lab File: VW008849.D
Acq: 27 Feb 2019 12:46

Instrument :
MSVOA_W
ClientSampleId :
VW0227SBSD01

Tot Ion	83	Resp	80630
Ion Ratio	100	Lower	Upper
83	100		
85	64.1	52.5	78.7
127	9.1	6.7	10.1

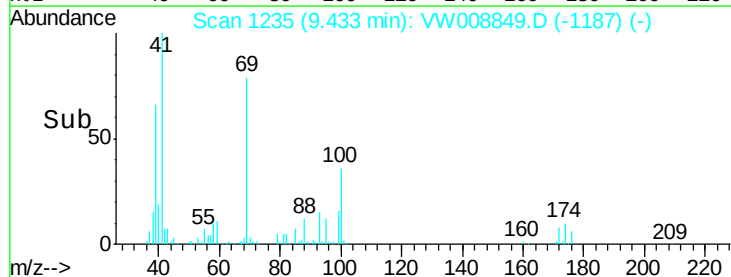
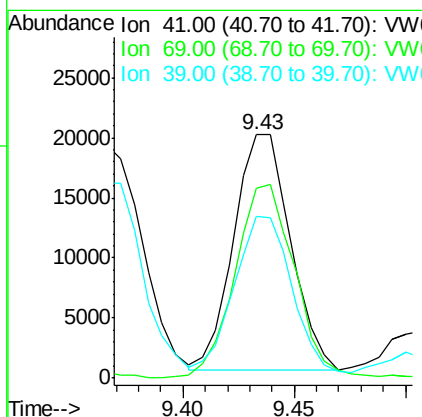
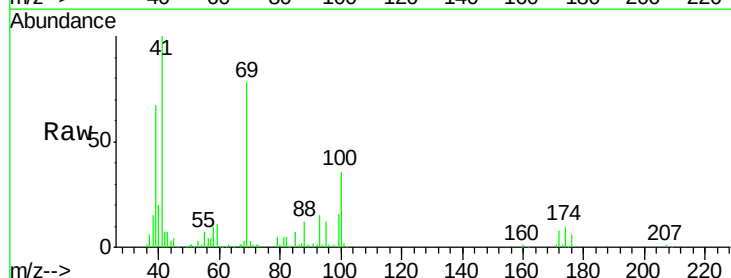
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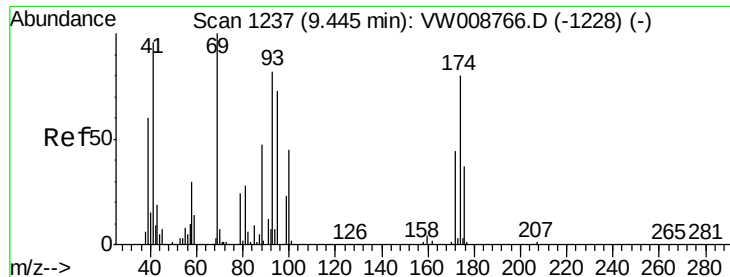
MMDadoda
3/1/2019 12:09:42 AM



#48
Methyl methacrylate
Concen: 17.821 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. -0.01 min
Lab File: VW008849.D
Acq: 27 Feb 2019 12:46

Tgt Ion	41	Resp	34857
Ion Ratio	100	Lower	Upper
41	100		
69	87.4	63.6	95.4
39	67.1	52.1	78.1





#49

1,4-Dioxane

Concen: 380.924 ug/l

RT: 9.45 min Scan# 1237

Delta R.T. 0.00 min

Lab File: VW008849.D

Acq: 27 Feb 2019 12:46

Instrument :

MSVOA_W

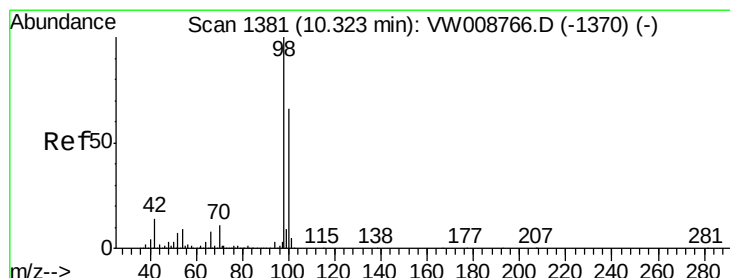
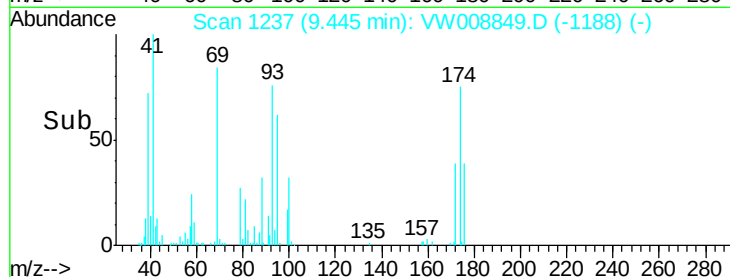
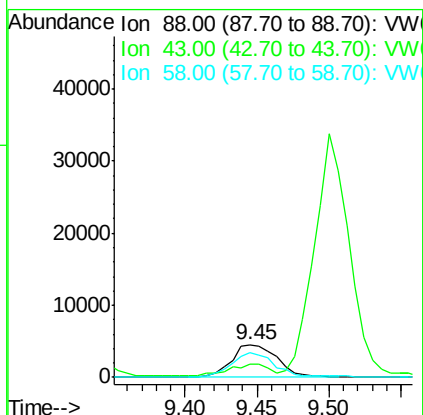
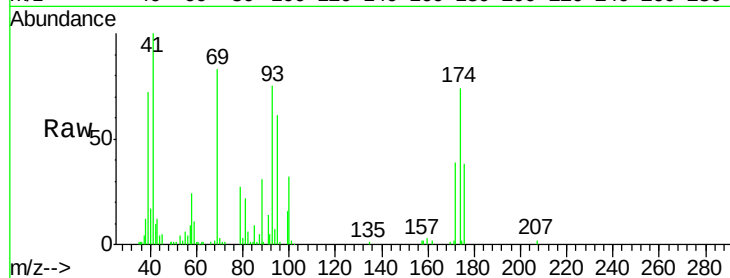
ClientSampleId :

VW0227SBS01

Tot Ion:	88	Resp:	10074
Ion	Ratio	Lower	Upper
88	100		
43	31.1	29.0	43.4
58	70.6	52.0	78.0

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#50

Toluene-d8

Concen: 55.098 ug/l

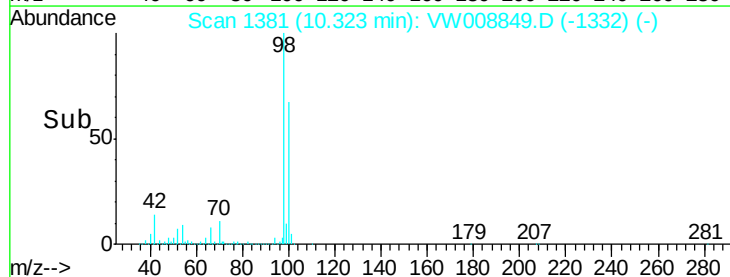
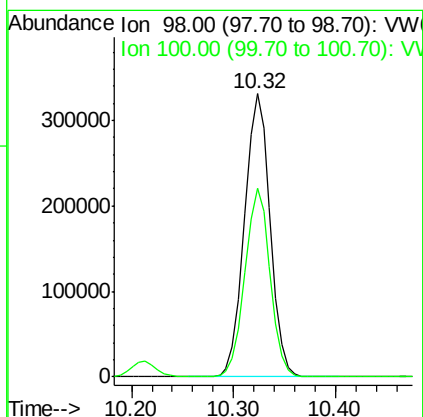
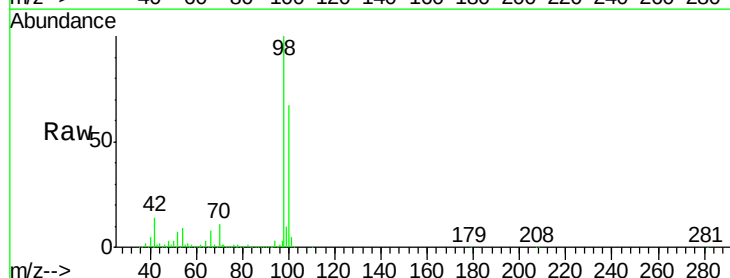
RT: 10.32 min Scan# 1381

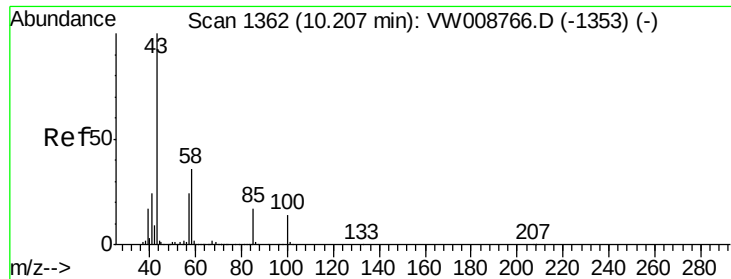
Delta R.T. 0.00 min

Lab File: VW008849.D

Acq: 27 Feb 2019 12:46

Tgt Ion:	98	Resp:	577284
Ion	Ratio	Lower	Upper
98	100		
100	65.4	52.4	78.6





#51

4-Methyl-2-Pentanone

Concen: 98.968 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.01 min

Lab File: VW008849.D

Acq: 27 Feb 2019 12:46

Instrument :

MSVOA_W

ClientSampleId :

VW0227SBSD01

Tot Ion: 43 Resp: 205203

Ion Ratio Lower Upper

43 100

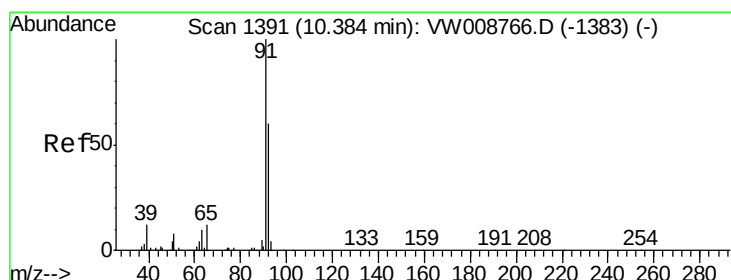
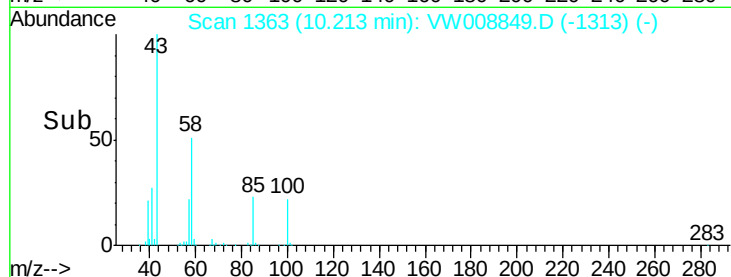
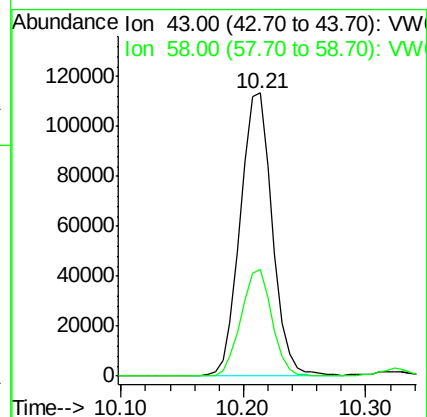
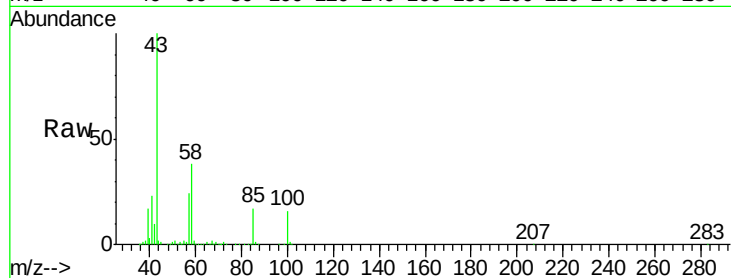
58 36.7 29.1 43.7

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#52

Toluene

Concen: 19.088 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW008849.D

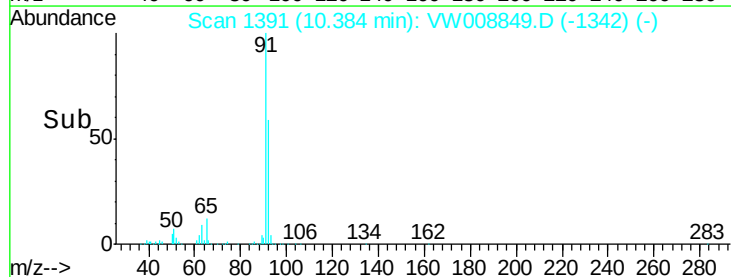
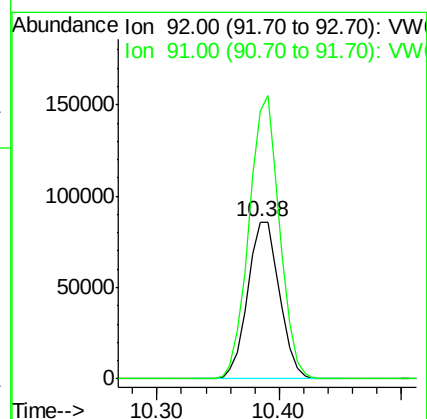
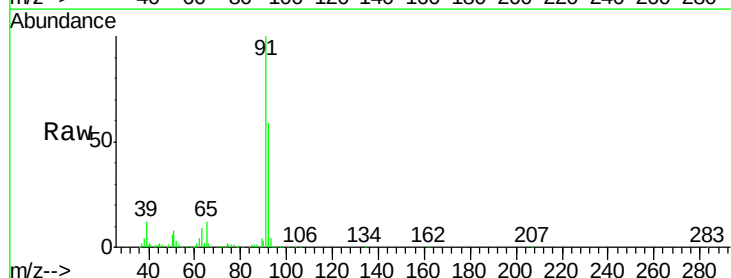
Acq: 27 Feb 2019 12:46

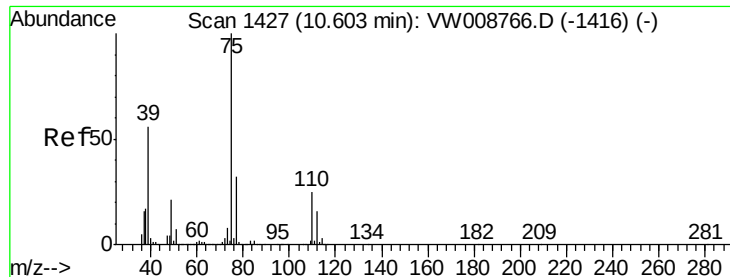
Tgt Ion: 92 Resp: 155642

Ion Ratio Lower Upper

92 100

91 172.9 136.9 205.3





#53

t-1,3-Dichloropropene

Concen: 19.784 ug/l

RT: 10.61 min Scan# 1428

Delta R.T. 0.01 min

Lab File: VW008849.D

Acq: 27 Feb 2019 12:46

Instrument :

MSVOA_W

ClientSampleId :

VW0227SBSD01

Tot Ion: 75 Resp: 81023

Ion Ratio Lower Upper

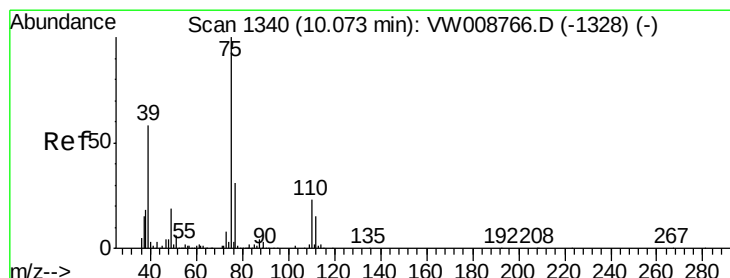
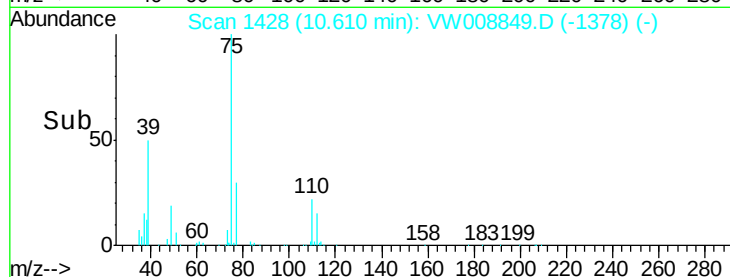
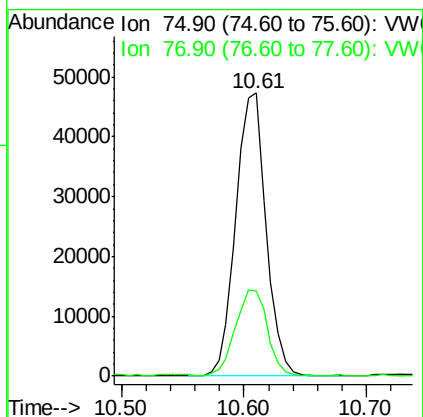
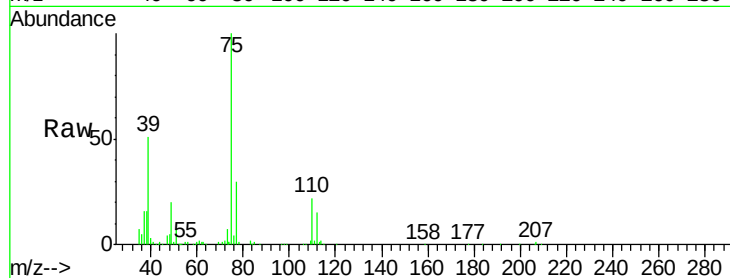
75 100

77 29.6 26.1 39.1

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#54

cis-1,3-Dichloropropene

Concen: 20.383 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW008849.D

Acq: 27 Feb 2019 12:46

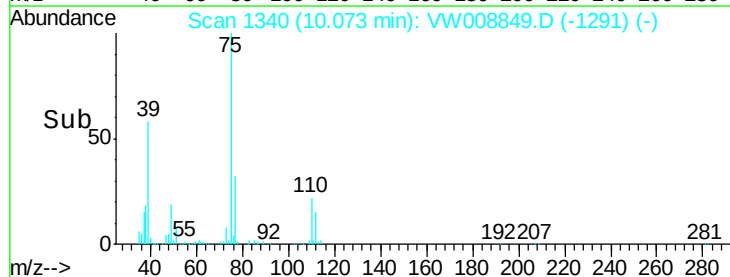
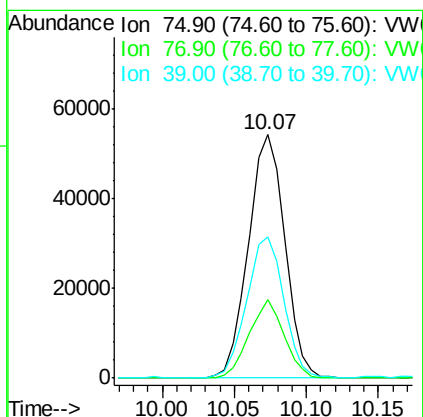
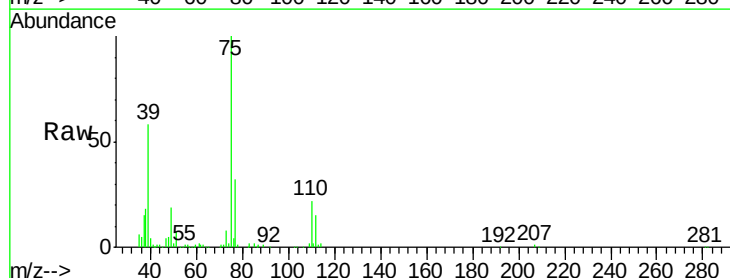
Tgt Ion: 75 Resp: 95205

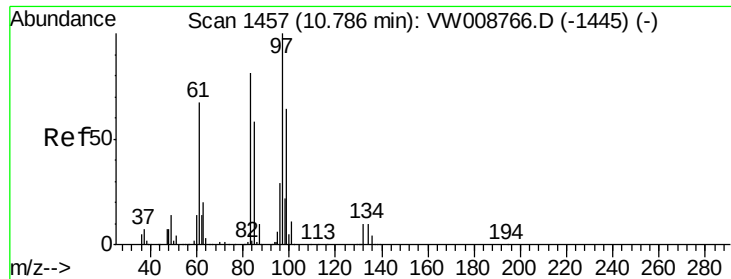
Ion Ratio Lower Upper

75 100

77 32.3 25.0 37.4

39 57.9 46.6 70.0





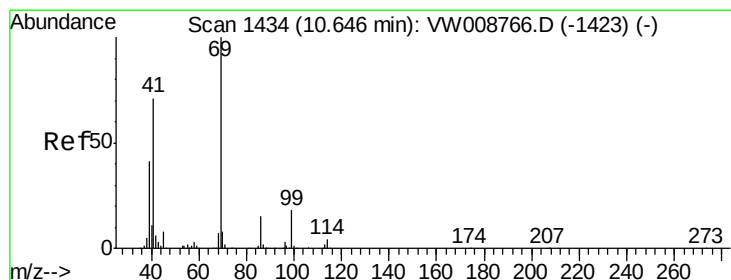
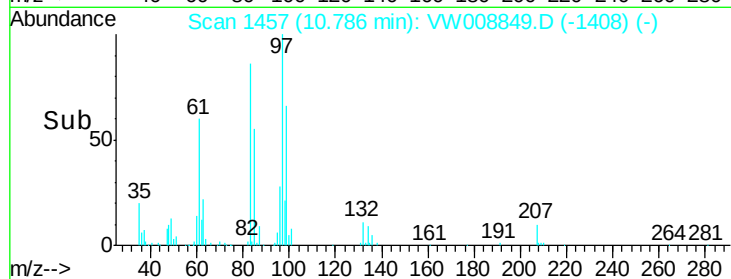
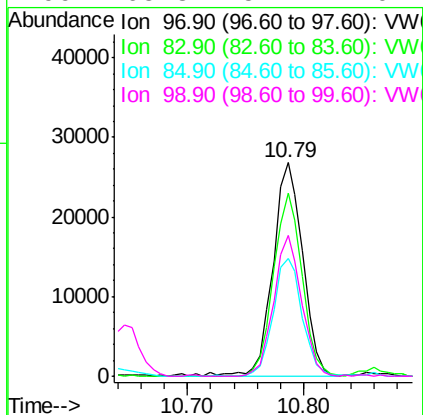
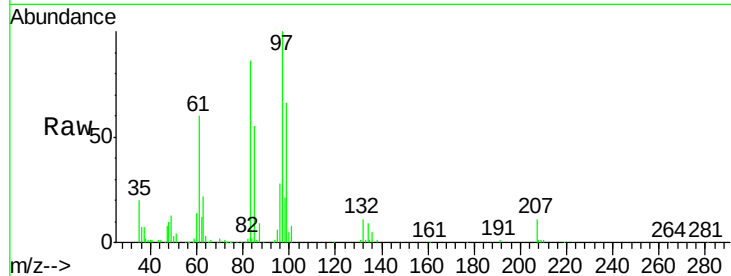
#55
 1,1,2-Trichloroethane
 Concen: 21.228 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW008849.D
 Acq: 27 Feb 2019 12:46

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0227SBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		47542		
83	85.6	65.0	97.6		
85	55.1	46.0	69.0		
99	65.8	51.1	76.7		

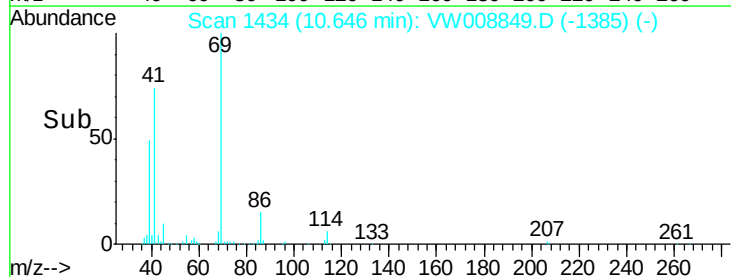
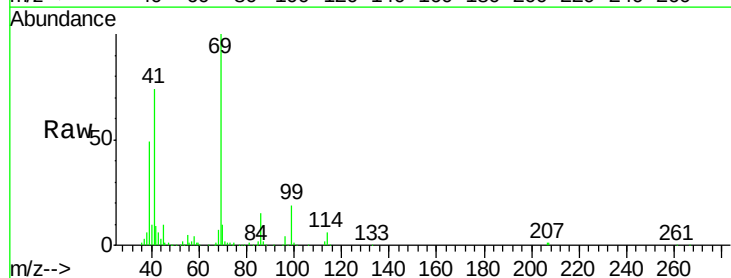
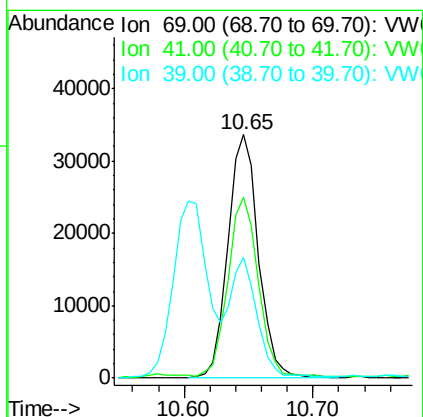
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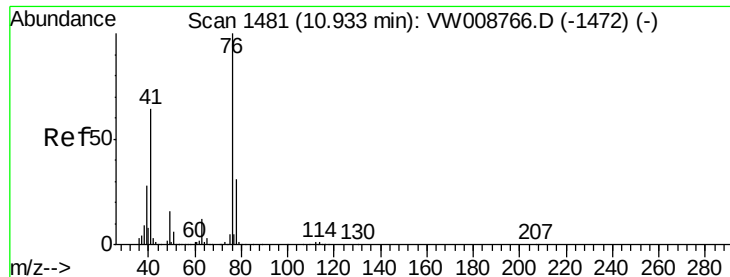
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#56
 Ethyl methacrylate
 Concen: 19.209 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW008849.D
 Acq: 27 Feb 2019 12:46

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		55892		
41	73.0	57.4	86.0		
39	43.1	34.8	52.2		





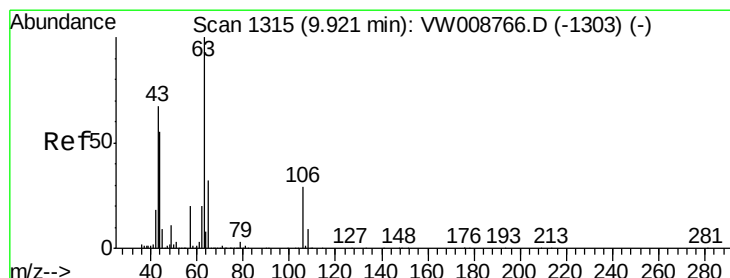
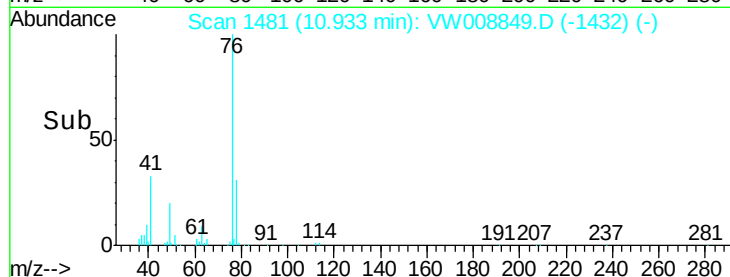
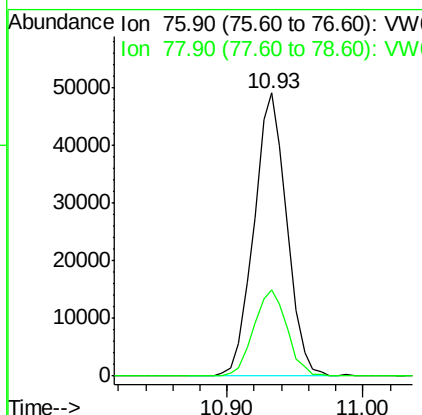
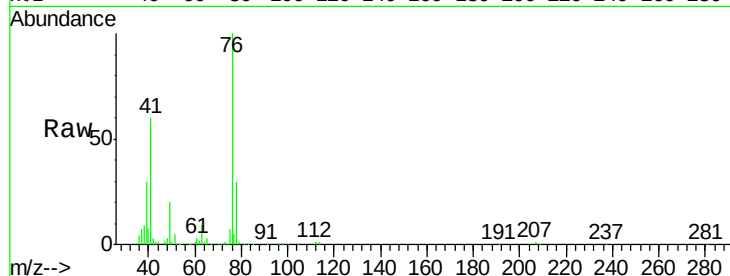
#57
 1,3-Dichloropropane
 Concen: 21.042 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW008849.D
 Acq: 27 Feb 2019 12:46

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0227SBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.0	25.8	38.8

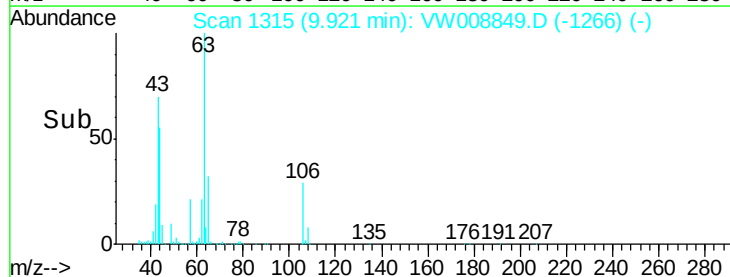
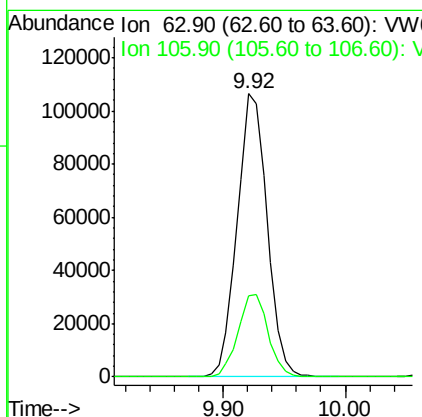
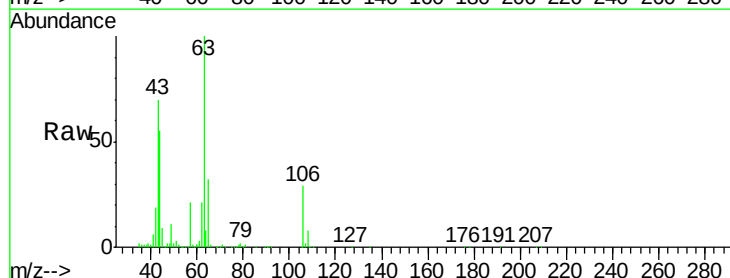
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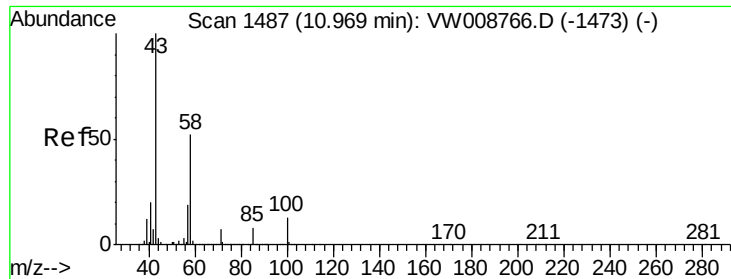
MMDadoda
 3/1/2019 12:09:42 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 123.320 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW008849.D
 Acq: 27 Feb 2019 12:46

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.4	24.0	36.0





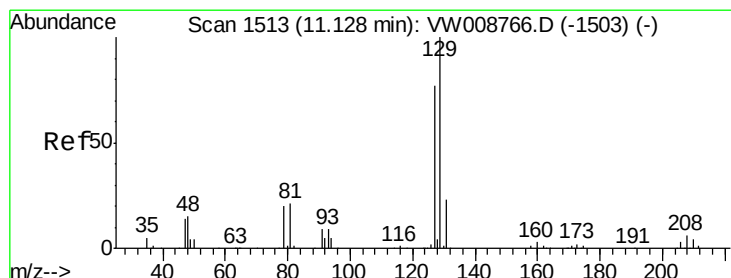
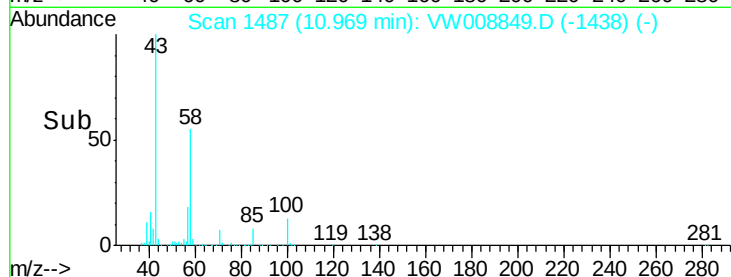
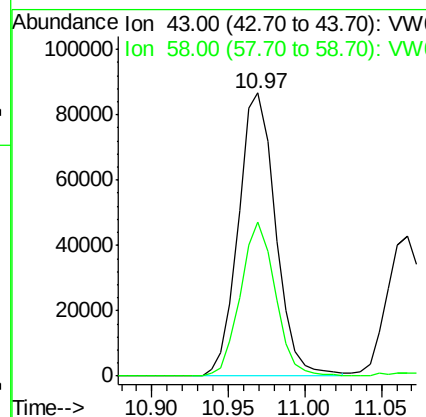
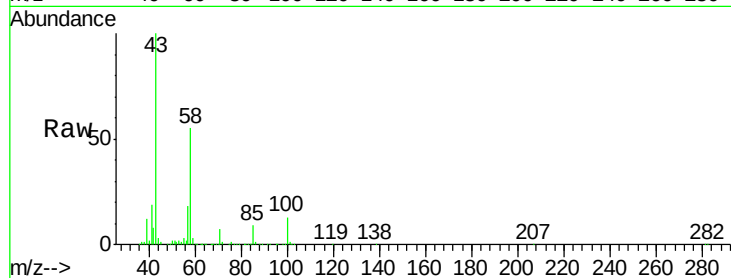
#59
2-Hexanone
Concen: 99.155 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW008849.D
Acq: 27 Feb 2019 12:46

Instrument :
MSVOA_W
ClientSampleId :
VW0227SBSD01

Tot Ion: 43 Resp: 146348
Ion Ratio Lower Upper
43 100
58 51.4 25.3 75.8

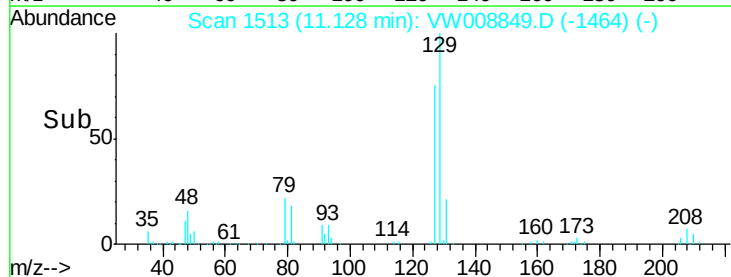
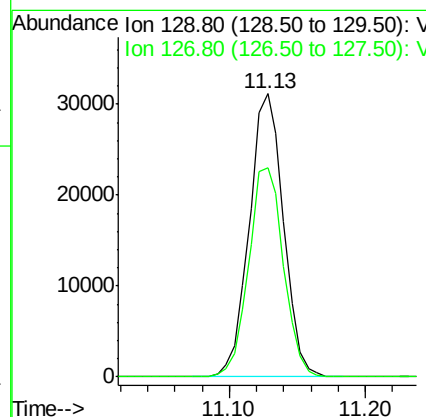
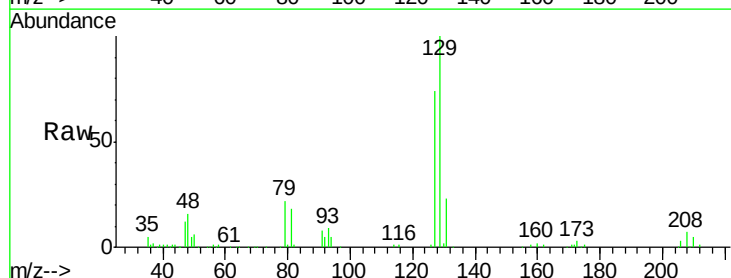
Manual Integrations
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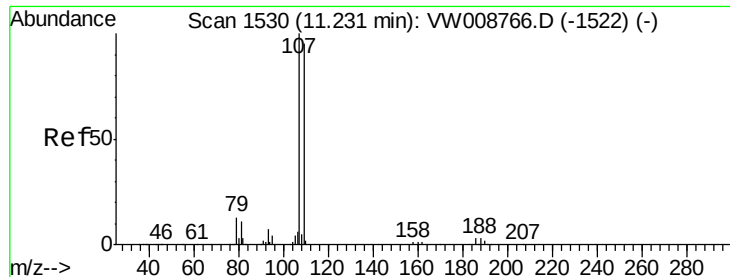
MMDadoda
3/1/2019 12:09:42 AM



#60
Dibromochloromethane
Concen: 20.079 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW008849.D
Acq: 27 Feb 2019 12:46

Tgt Ion: 129 Resp: 54850
Ion Ratio Lower Upper
129 100
127 75.3 39.0 116.9





#61

1,2-Dibromoethane

Concen: 19.995 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. 0.01 min

Lab File: VW008849.D

Acq: 27 Feb 2019 12:46

Instrument :

MSVOA_W

ClientSampleId :

VW0227SBSD01

Tot Ion:107 Resp: 44327

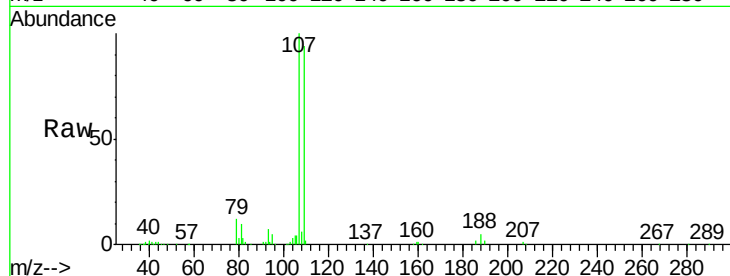
Ion Ratio Lower Upper

107 100

109 93.2 75.6 113.4

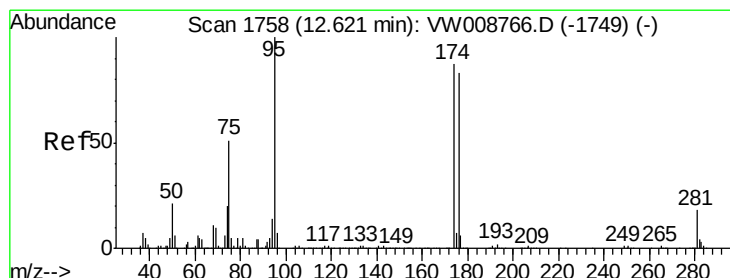
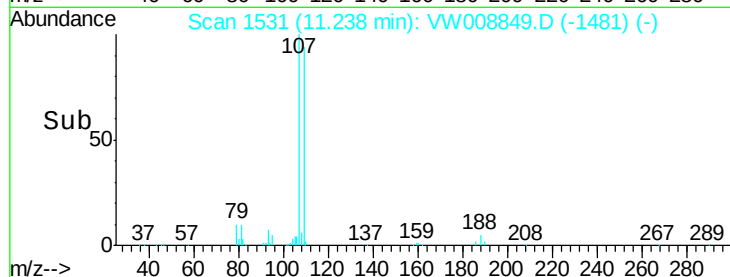
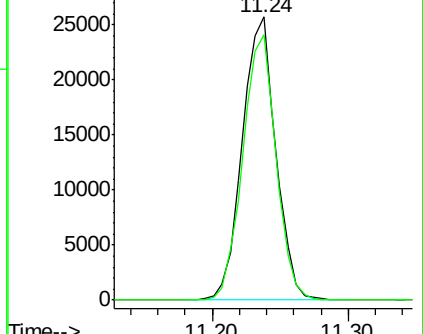
Manual Integrations
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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 53.484 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW008849.D

Acq: 27 Feb 2019 12:46

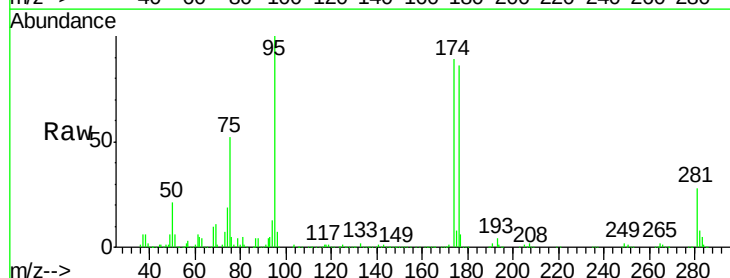
Tgt Ion: 95 Resp: 219411

Ion Ratio Lower Upper

95 100

174 86.3 0.0 169.2

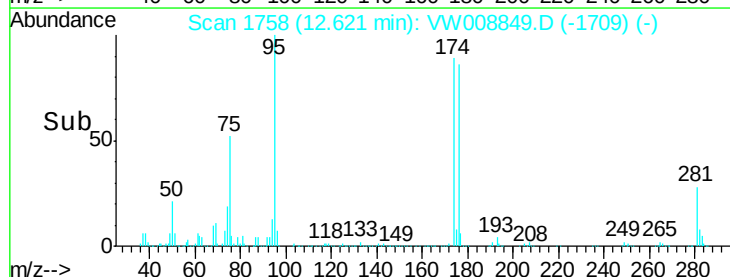
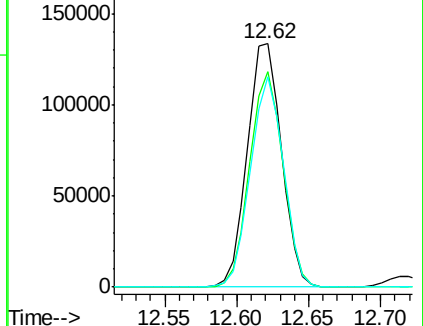
176 83.2 0.0 163.6

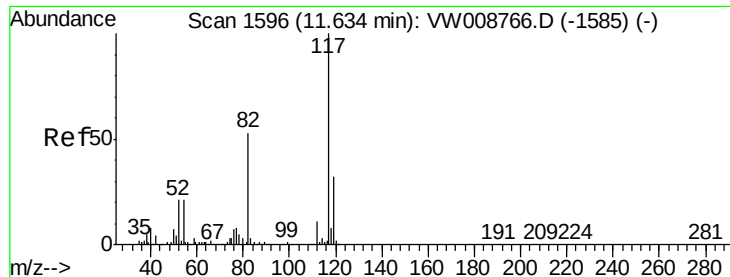


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





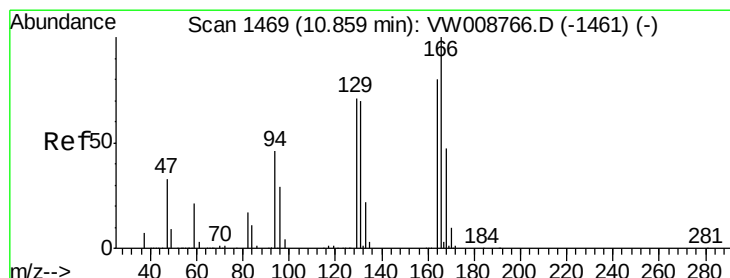
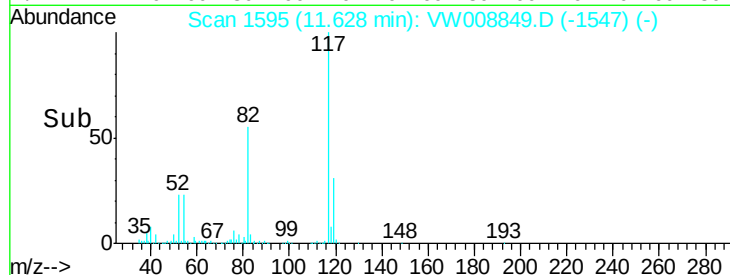
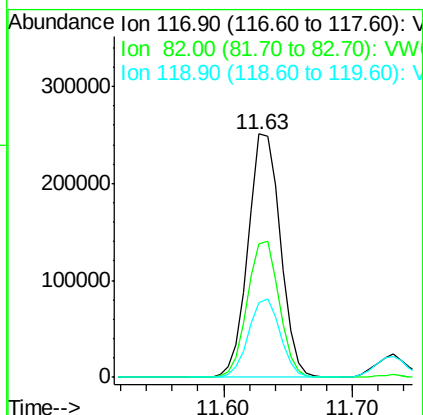
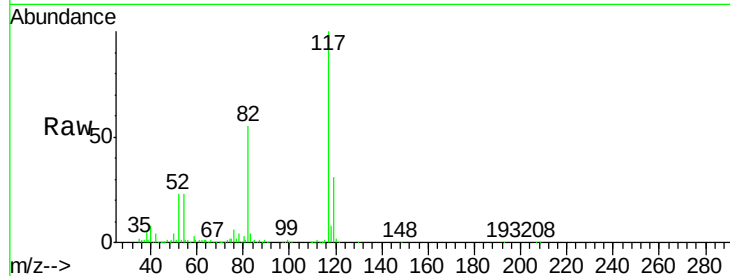
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW008849.D
Acq: 27 Feb 2019 12:46

Instrument :
MSVOA_W
ClientSampleId :
VW0227SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	433312		
82	54.6	42.2	63.4	
119	30.8	25.9	38.9	

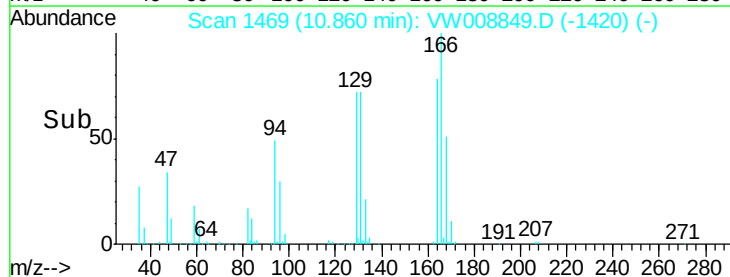
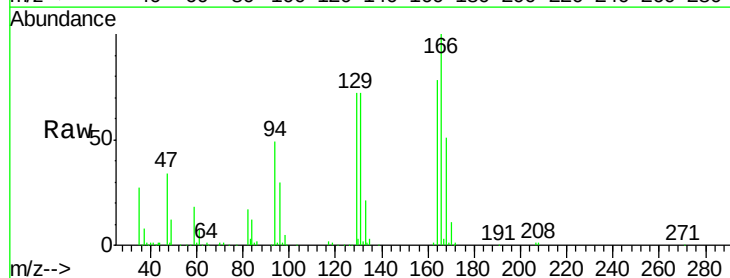
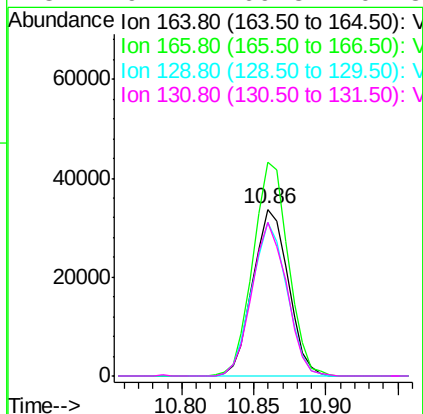
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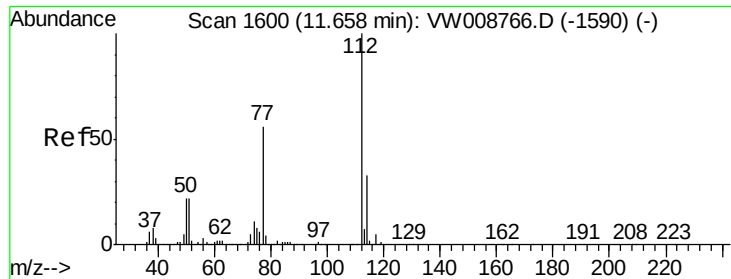
MMDadoda
3/1/2019 12:09:42 AM



#64
Tetrachloroethene
Concen: 18.495 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW008849.D
Acq: 27 Feb 2019 12:46

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	57367		
166	128.3	99.5	149.3	
129	92.6	71.1	106.7	
131	92.4	69.8	104.8	





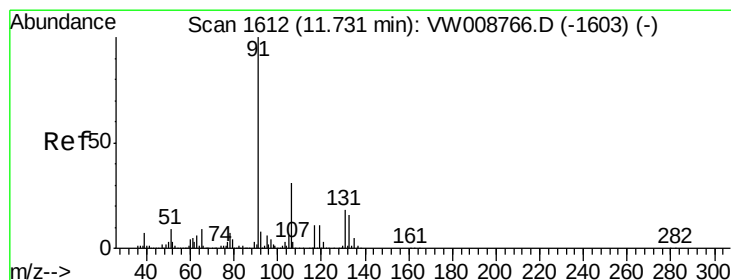
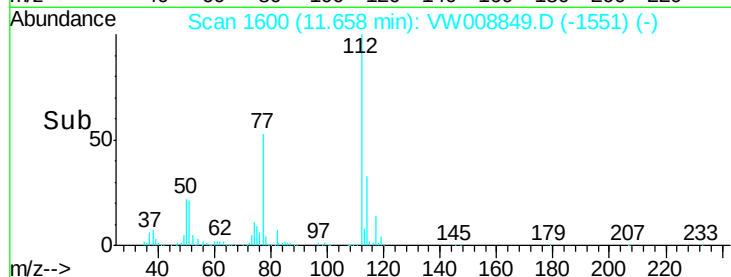
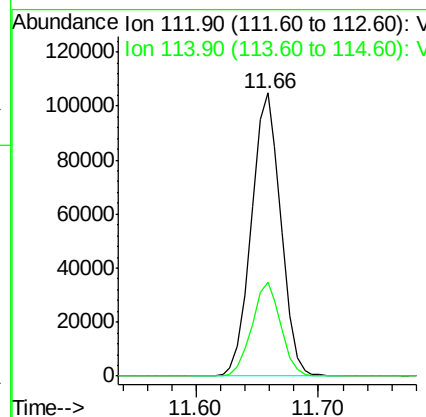
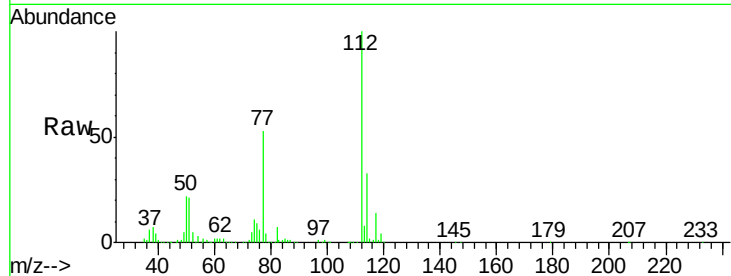
#65
Chlorobenzene
Concen: 19.220 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW008849.D
Acq: 27 Feb 2019 12:46

Instrument :
MSVOA_W
ClientSampleId :
VW0227SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	33.3	26.6	40.0

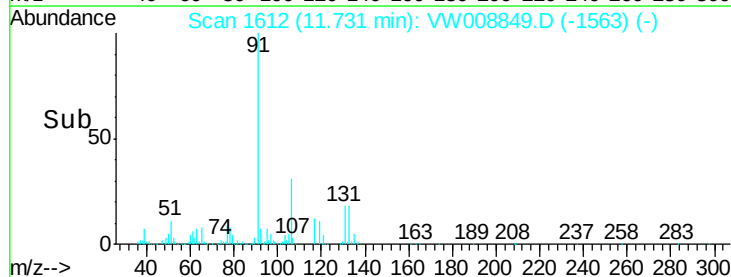
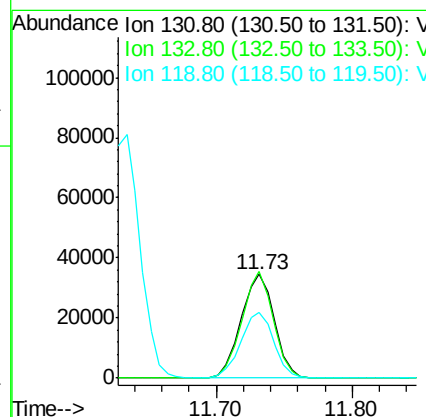
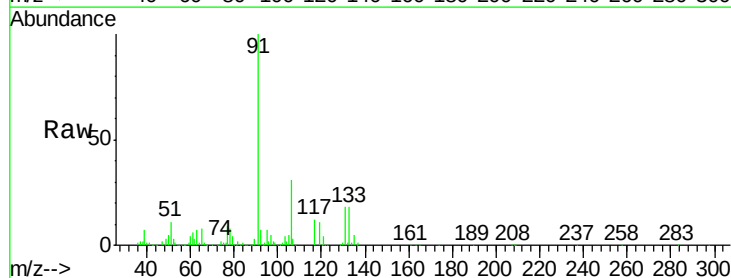
Manual Integrations
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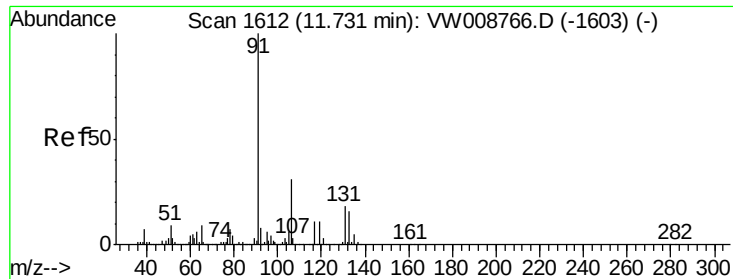
MMDadoda
3/1/2019 12:09:42 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.106 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW008849.D
Acq: 27 Feb 2019 12:46

Tgt Ion	Ratio	Lower	Upper
131	100		
133	97.4	46.7	140.0
119	62.7	30.8	92.4





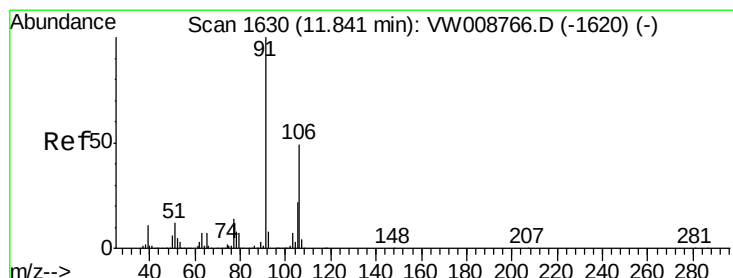
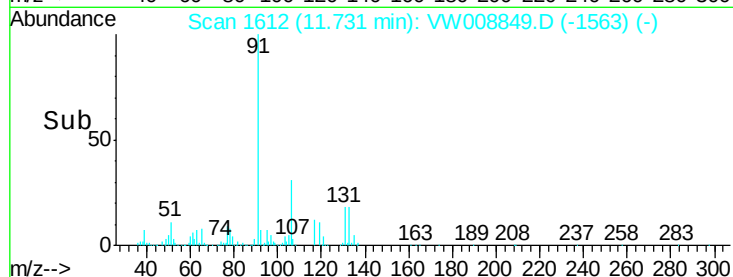
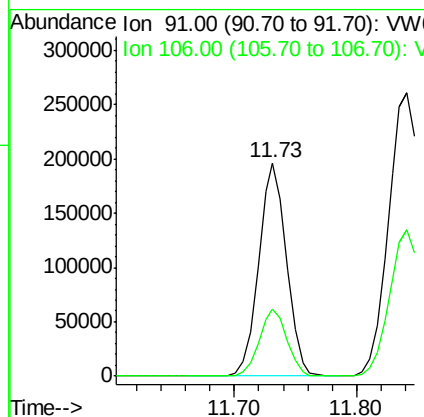
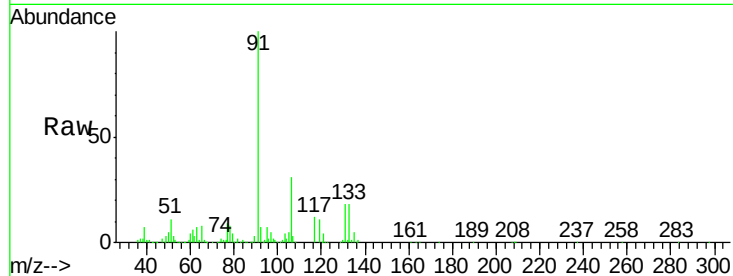
#67
Ethyl Benzene
Concen: 18.958 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW008849.D
Acq: 27 Feb 2019 12:46

Instrument :
MSVOA_W
ClientSampleId :
VW0227SBS01

Tot Ion: 91 Resp: 308788
Ion Ratio Lower Upper
91 100
106 31.5 25.0 37.6

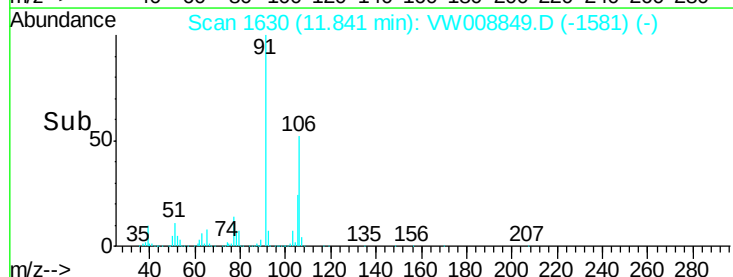
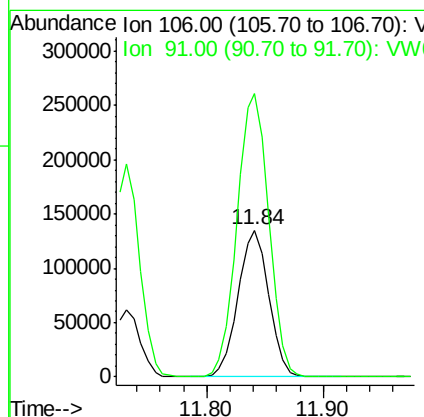
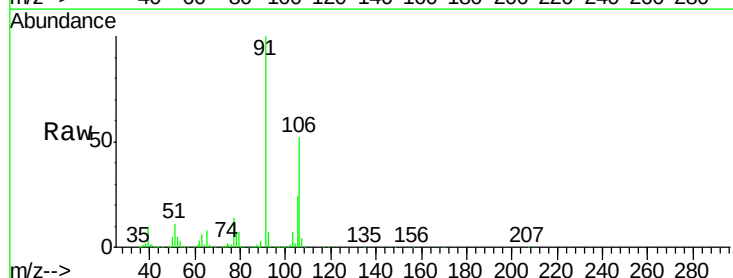
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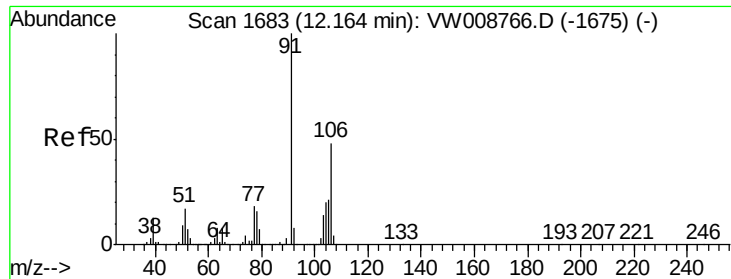
MMDadoda
3/1/2019 12:09:42 AM



#68
m/p-Xylenes
Concen: 38.272 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW008849.D
Acq: 27 Feb 2019 12:46

Tgt Ion: 106 Resp: 249069
Ion Ratio Lower Upper
106 100
91 198.7 161.5 242.3





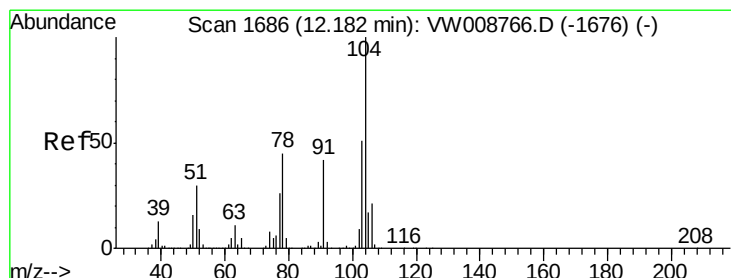
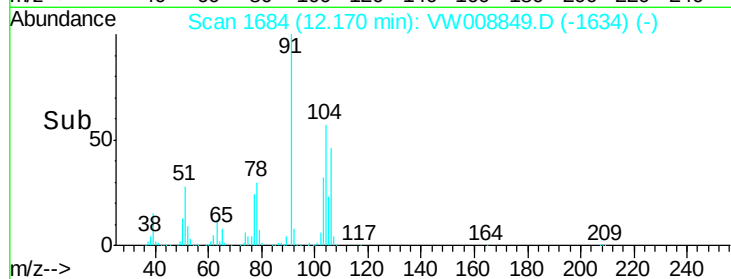
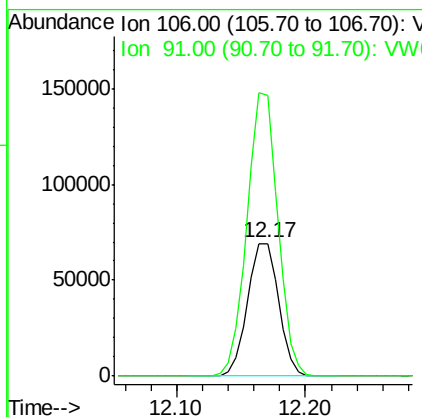
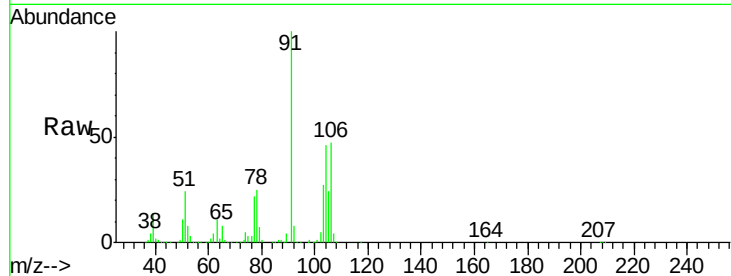
#69
o-Xylene
Concen: 18.883 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.01 min
Lab File: VW008849.D
Acq: 27 Feb 2019 12:46

Instrument :
MSVOA_W
ClientSampleId :
VW0227SBS01

Tot Ion	Ion	Ratio	Lower	Upper
106	106	100		
91	91	211.1	106.2	318.6

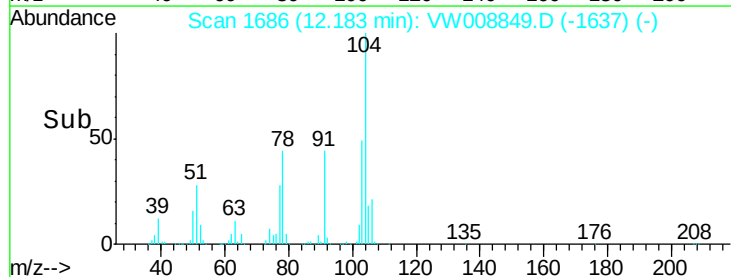
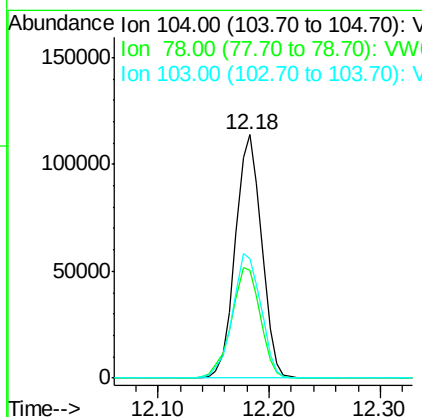
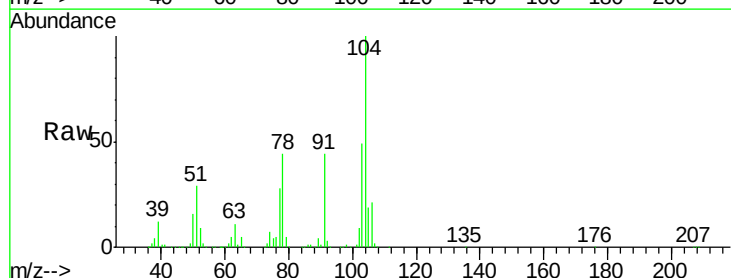
Manual Integrations
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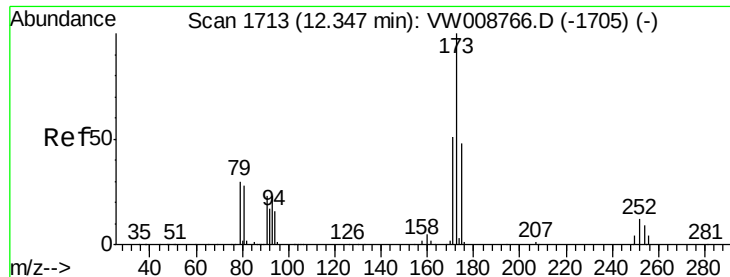
MMDadoda
3/1/2019 12:09:42 AM



#70
Styrene
Concen: 18.971 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW008849.D
Acq: 27 Feb 2019 12:46

Tgt Ion	Ion	Ratio	Lower	Upper
104	104	100		
78	78	49.9	40.8	61.2
103	103	55.2	44.2	66.2





#71

Bromoform

Concen: 19.114 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW008849.D

Acq: 27 Feb 2019 12:46

Instrument :

MSVOA_W

ClientSampleId :

VW0227SBS01

Tot Ion:173 Resp: 31652

Ion Ratio Lower Upper

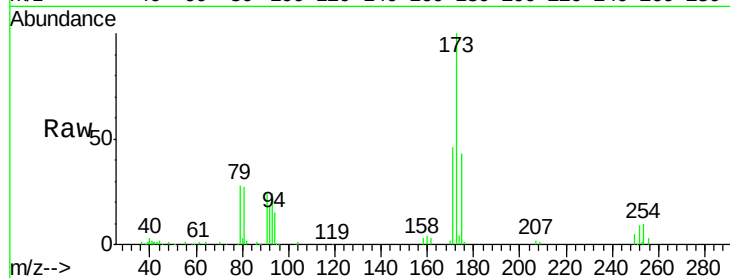
173 100

175 48.8 24.2 72.6

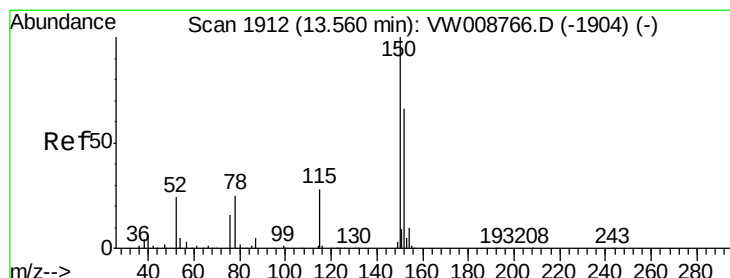
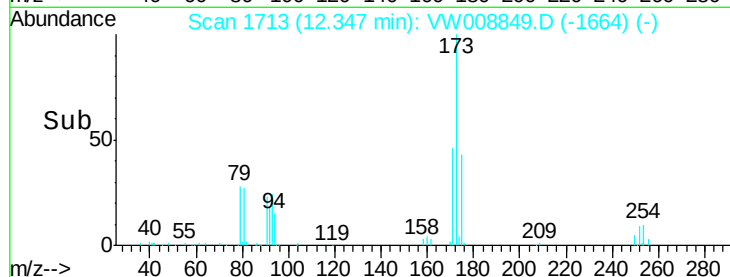
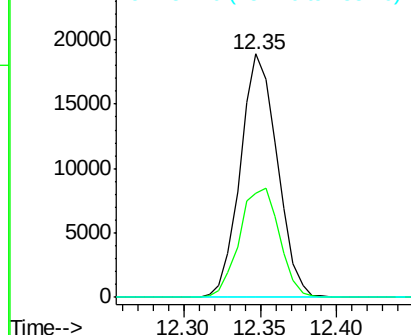
254 0.0 0.2 0.4#

Manual Integrations
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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: VW008849.D

Acq: 27 Feb 2019 12:46

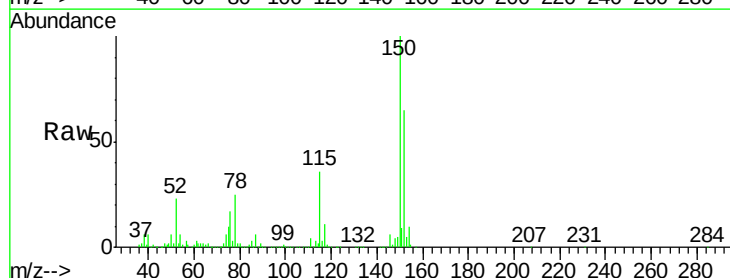
Tgt Ion:152 Resp: 237916

Ion Ratio Lower Upper

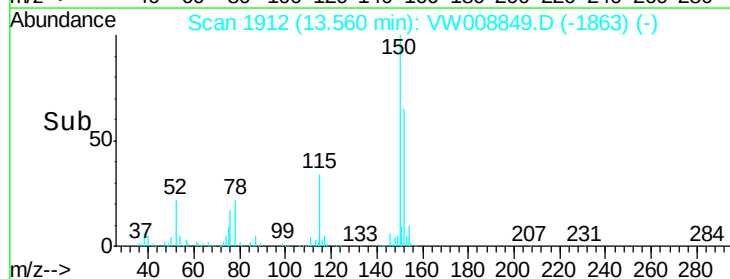
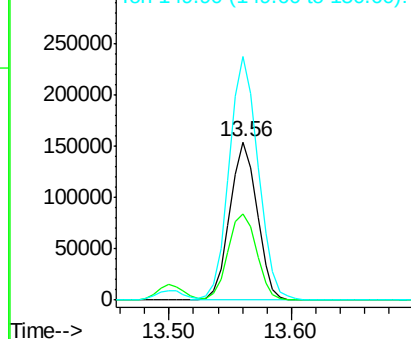
152 100

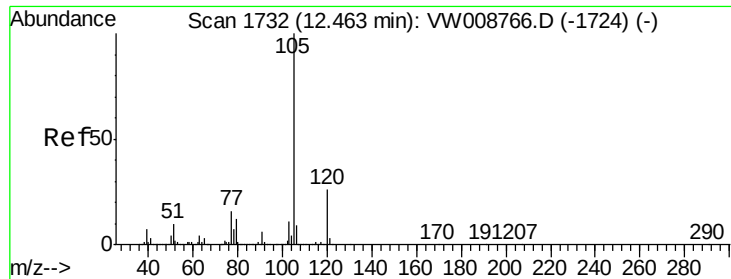
115 57.3 28.6 85.8

150 163.1 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: 19.157 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW008849.D

Acq: 27 Feb 2019 12:46

Instrument :

MSVOA_W

ClientSampleId :

VW0227SBS01

Tot Ion: 105 Resp: 312461

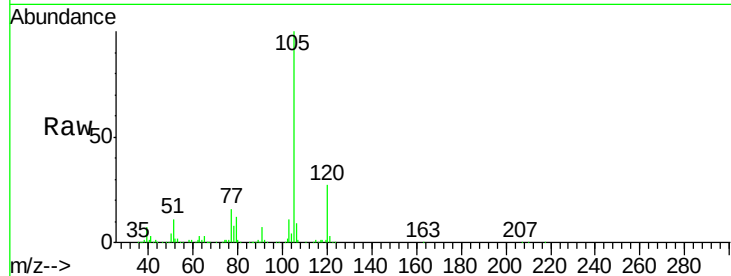
Ion Ratio Lower Upper

105 100

120 26.6 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

200000

150000

100000

50000

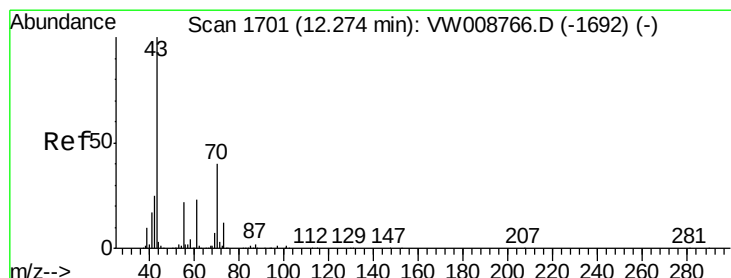
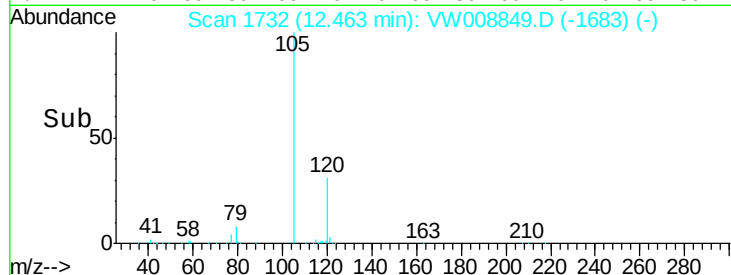
0

12.40

12.46

12.50

Time-->



#74

N-ethyl acetate

Concen: 18.498 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW008849.D

Acq: 27 Feb 2019 12:46

Tgt Ion: 43 Resp: 75997

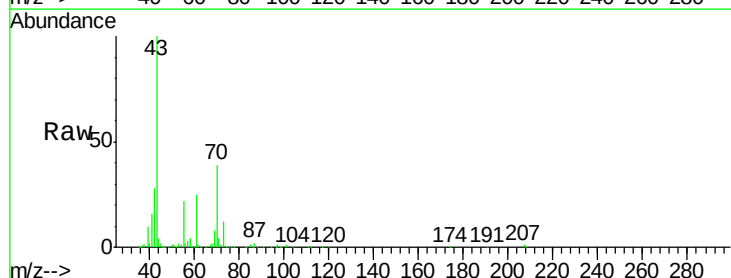
Ion Ratio Lower Upper

43 100

70 39.5 31.0 46.6

55 22.8 18.7 28.1

61 23.4 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

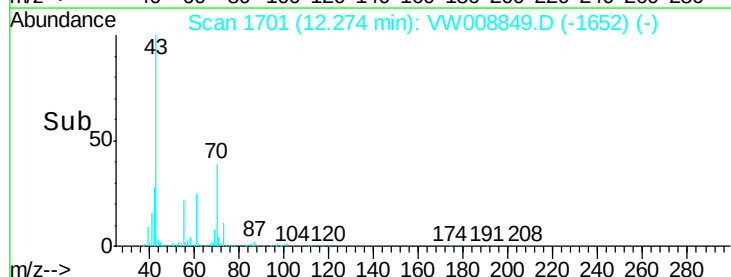
0

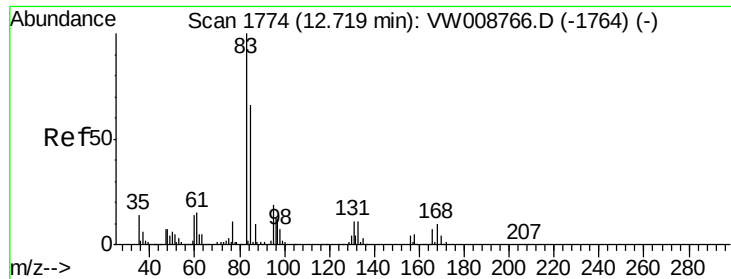
12.20

12.27

12.30

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 19.586 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW008849.D

Acq: 27 Feb 2019 12:46

Instrument :

MSVOA_W

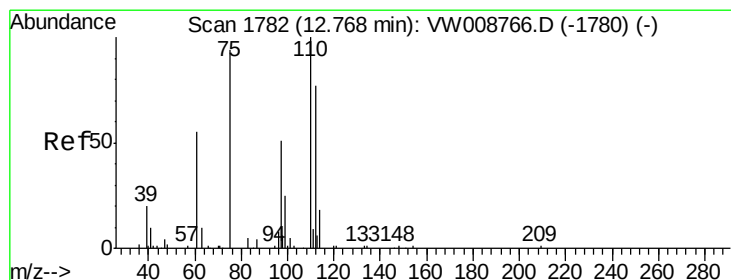
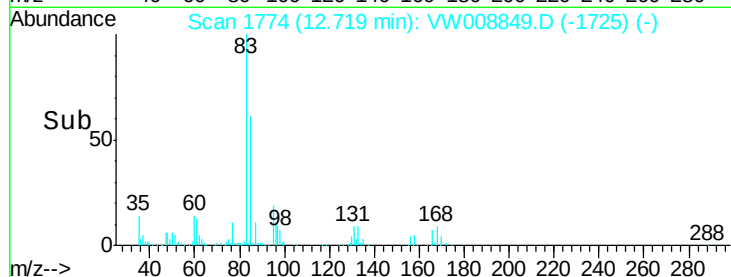
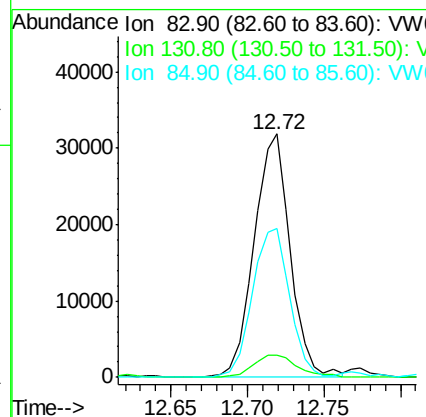
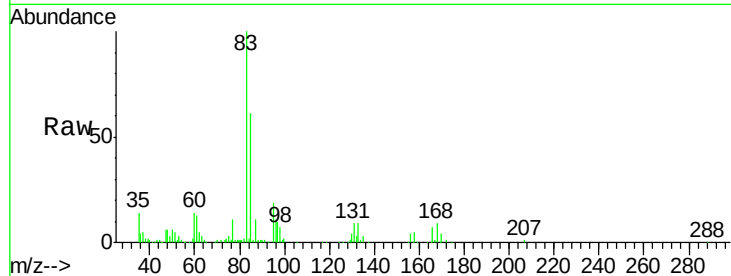
ClientSampleId :

VW0227SBS01

Tot Ion:	83	Resp:	52198
Ion Ratio	Lower	Upper	
83	100		
131	11.4	5.5	16.7
85	63.2	33.0	98.9

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#76

1,2,3-Trichloropropane

Concen: 18.899 ug/l m

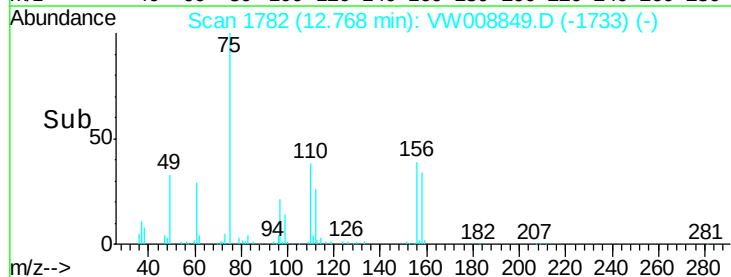
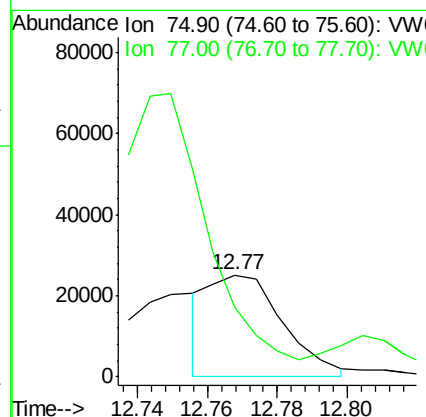
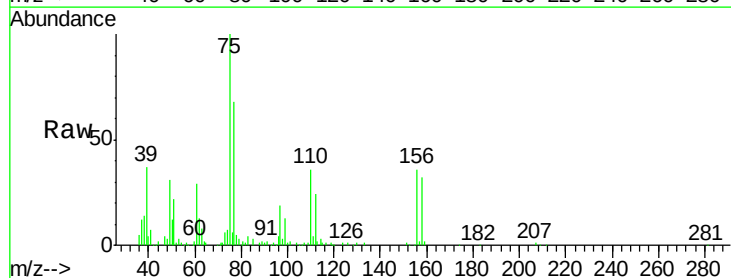
RT: 12.77 min Scan# 1782

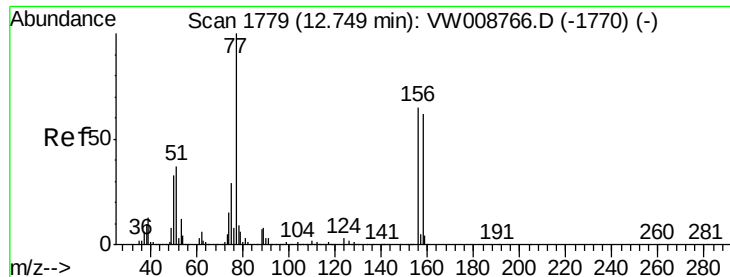
Delta R.T. 0.00 min

Lab File: VW008849.D

Acq: 27 Feb 2019 12:46

Tgt Ion:	75	Resp:	37123
Ion Ratio	Lower	Upper	
75	100		
77	352.1	0.0	0.0#





#77

Bromobenzene

Concen: 19.482 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW008849.D

Acq: 27 Feb 2019 12:46

Instrument :

MSVOA_W

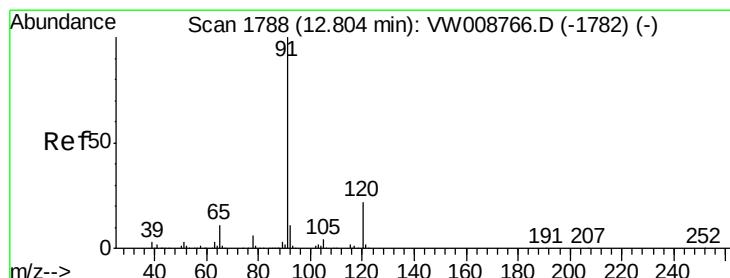
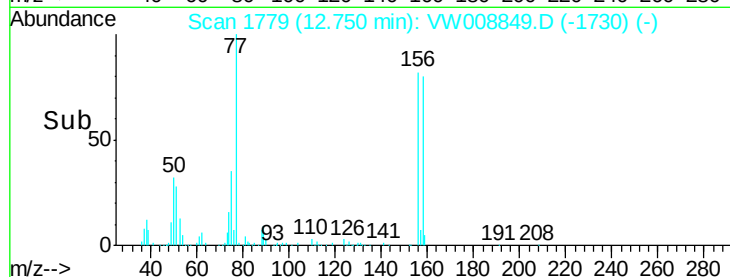
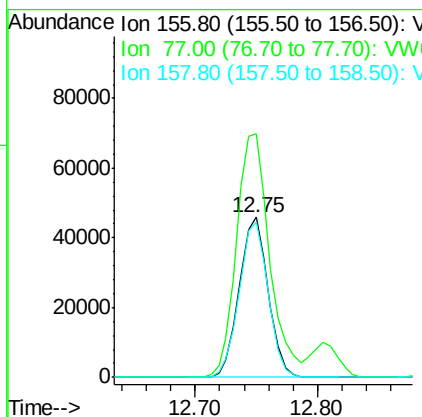
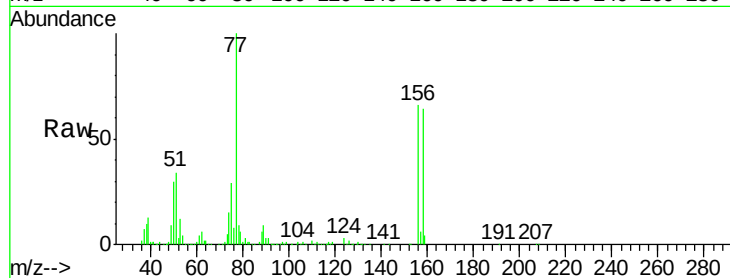
ClientSampleId :

VW0227SBSD01

Tot Ion:	156	Resp:	75087
Ion Ratio	Lower	Upper	
156	100		
77	174.1	89.1	267.4
158	97.0	49.2	147.6

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#78

n-propylbenzene

Concen: 19.222 ug/l

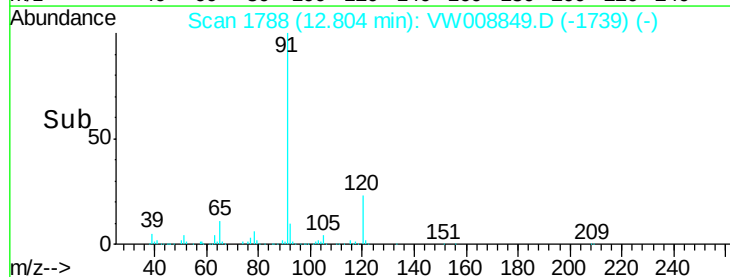
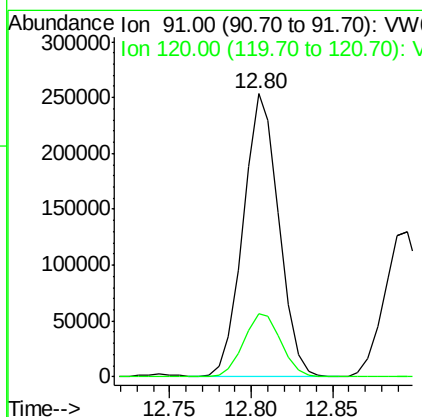
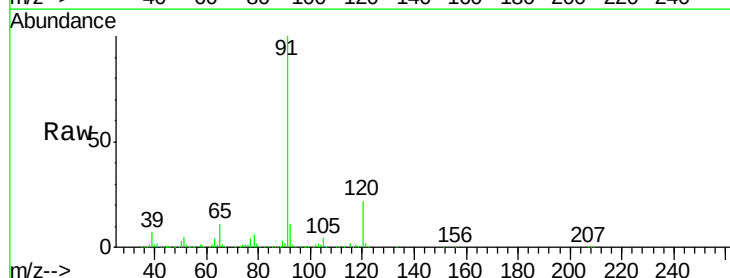
RT: 12.80 min Scan# 1788

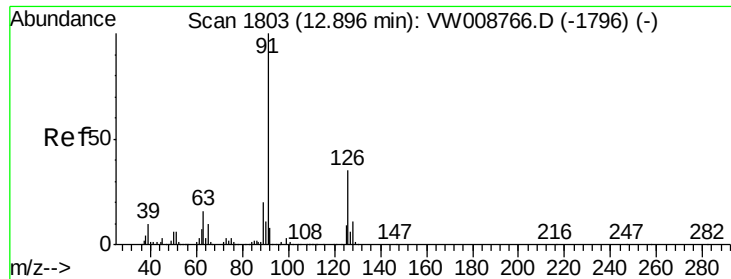
Delta R.T. 0.00 min

Lab File: VW008849.D

Acq: 27 Feb 2019 12:46

Tgt Ion:	91	Resp:	383494
Ion Ratio	Lower	Upper	
91	100		
120	23.4	11.5	34.4





#79

2-Chlorotoluene

Concen: 18.974 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW008849.D

Acq: 27 Feb 2019 12:46

Instrument :

MSVOA_W

ClientSampleId :

VW0227SBS01

Tot Ion: 91 Resp: 214923

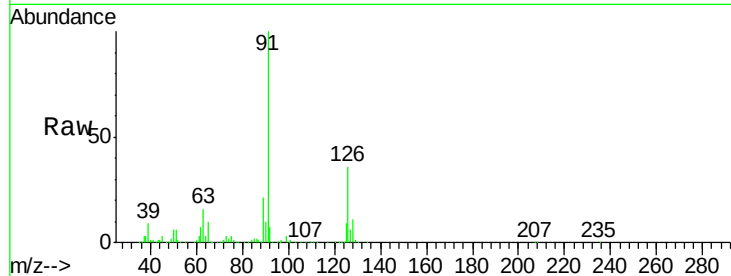
Ion Ratio Lower Upper

91 100

126 35.6 17.0 51.0

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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V

150000

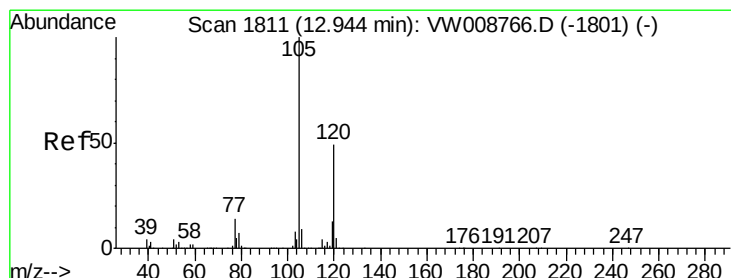
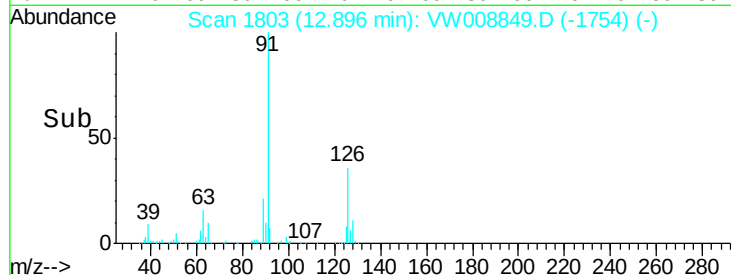
100000

50000

0

12.85 12.90 12.95

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 18.842 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW008849.D

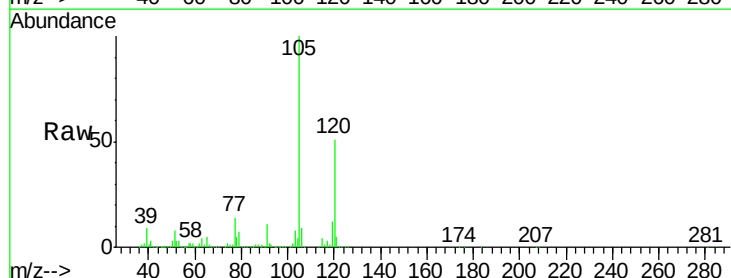
Acq: 27 Feb 2019 12:46

Tgt Ion: 105 Resp: 267068

Ion Ratio Lower Upper

105 100

120 51.2 24.8 74.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

200000

150000

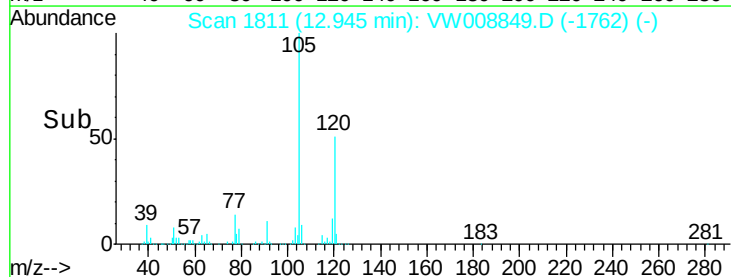
100000

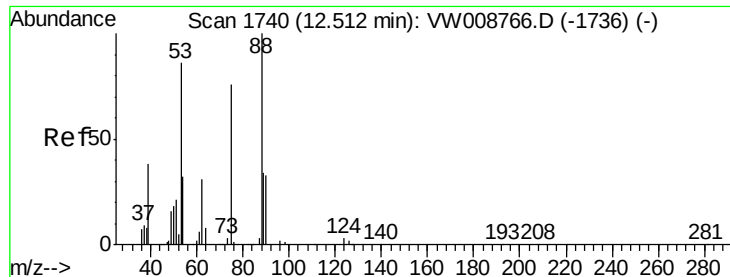
50000

0

12.90 12.94 13.00

Time-->





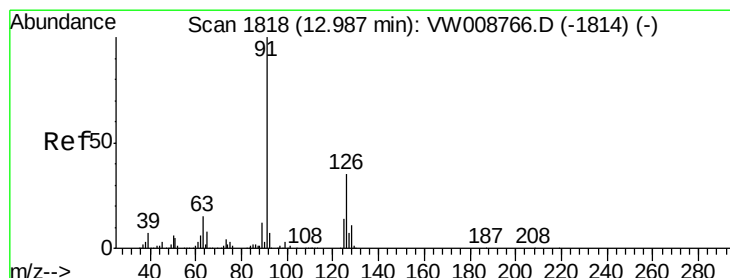
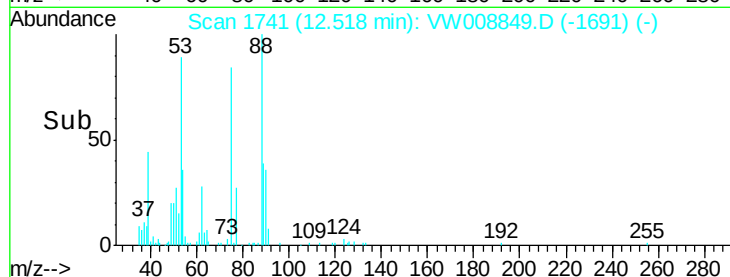
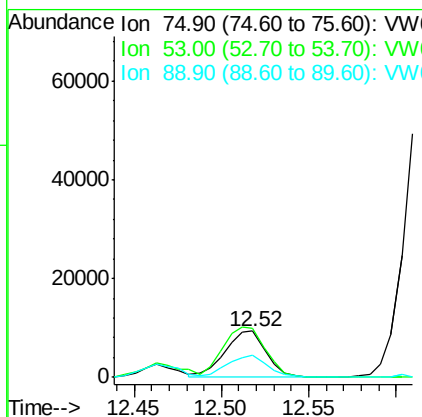
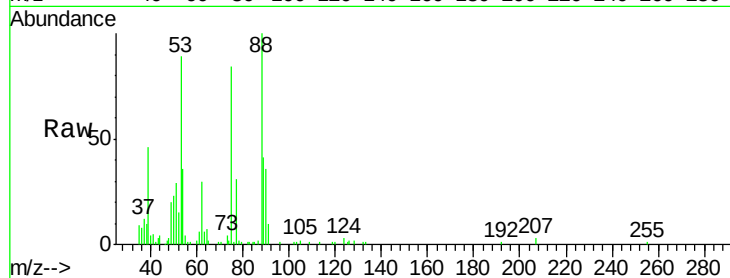
#81
trans-1,4-Dichloro-2-butene
Concen: 19.265 ug/l
RT: 12.52 min Scan# 1741
Delta R.T. 0.01 min
Lab File: VW008849.D
Acq: 27 Feb 2019 12:46

Instrument :
MSVOA_W
ClientSampleId :
VW0227SBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	111.6	88.2	132.2
89	46.5	39.5	59.3

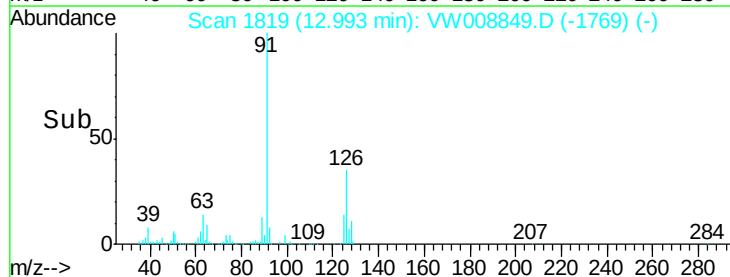
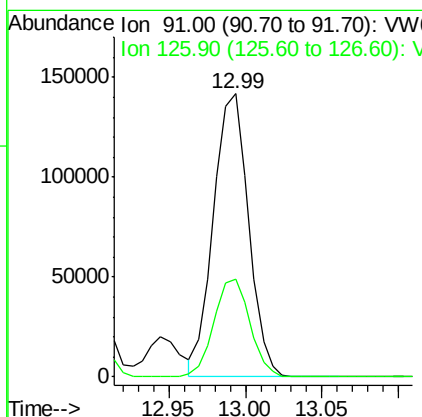
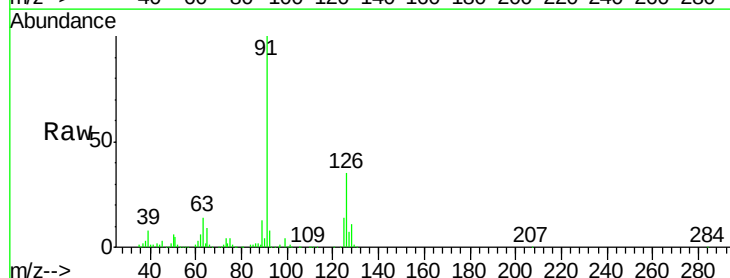
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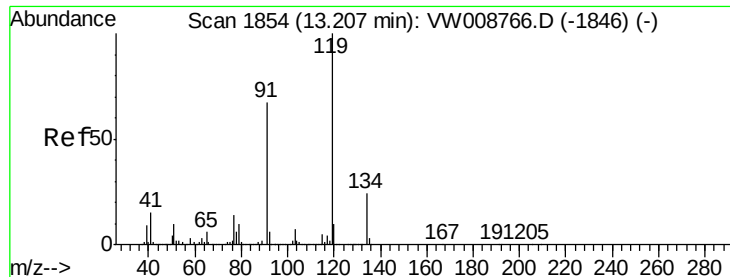
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#82
4-Chlorotoluene
Concen: 18.968 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. 0.01 min
Lab File: VW008849.D
Acq: 27 Feb 2019 12:46

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.5	17.2	51.6





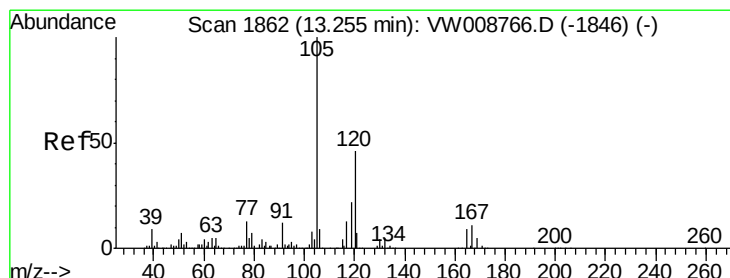
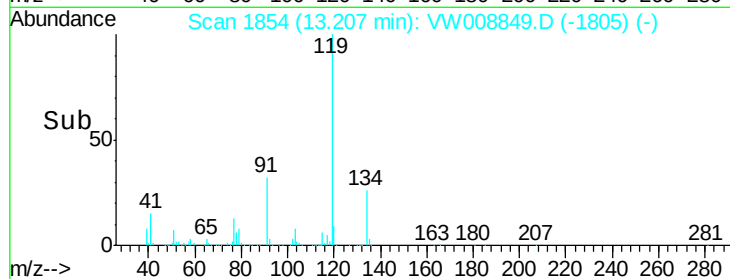
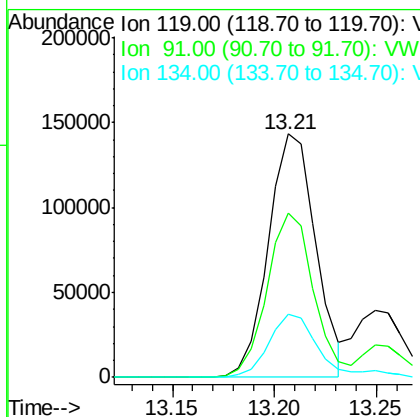
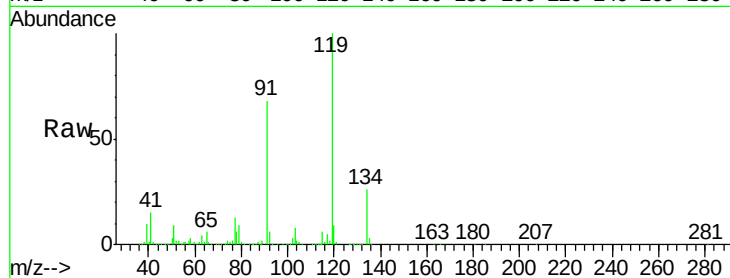
#83
 tert-Butylbenzene
 Concen: 18.973 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VW008849.D
 Acq: 27 Feb 2019 12:46

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0227SBSD01

Tot Ion	Ratio	Lower	Upper
119	100		
91	66.8	33.6	100.8
134	27.5	13.7	41.1

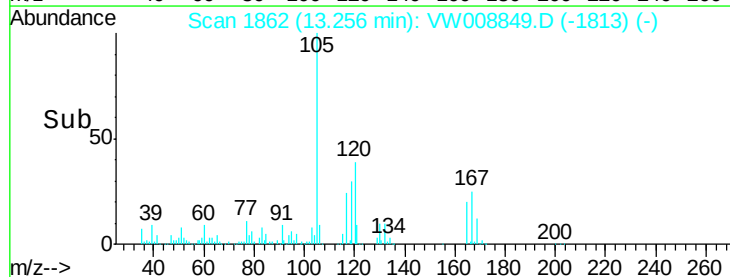
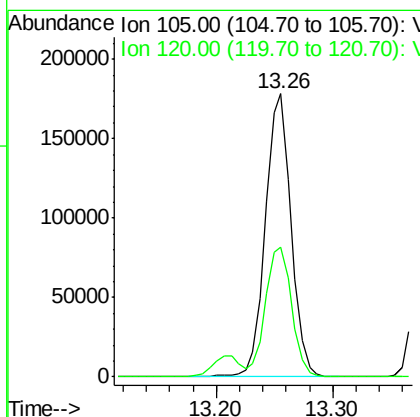
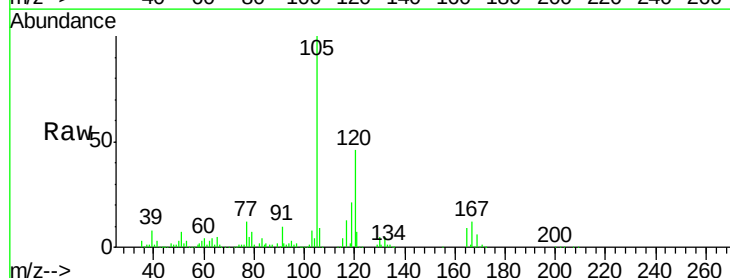
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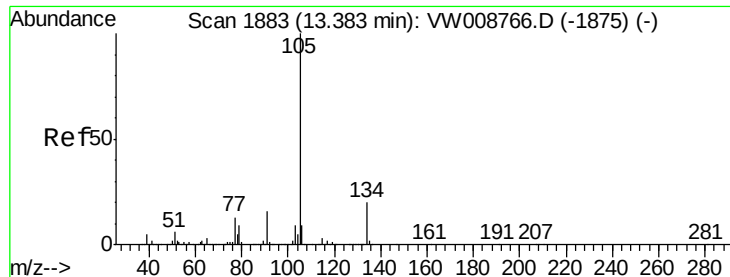
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#84
 1,2,4-Trimethylbenzene
 Concen: 18.640 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VW008849.D
 Acq: 27 Feb 2019 12:46

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.8	22.8	68.4





#85

sec-Butylbenzene

Concen: 18.875 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW008849.D

Acq: 27 Feb 2019 12:46

Instrument :

MSVOA_W

ClientSampleId :

VW0227SBS01

Tot Ion:105 Resp: 332618

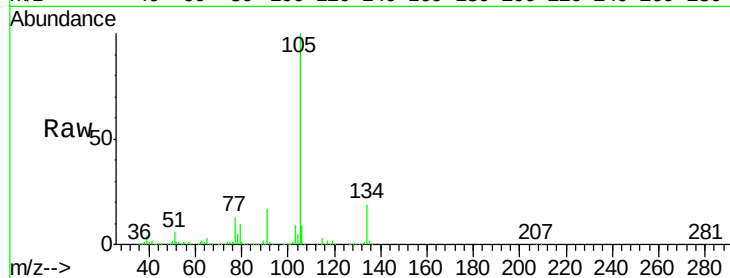
Ion Ratio Lower Upper

105 100

134 21.1 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

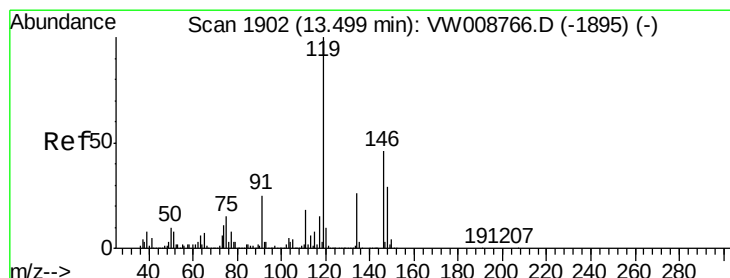
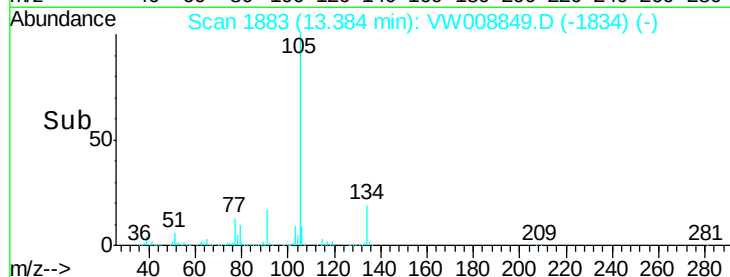
50000

0

13.30

13.40

Time-->



#86

p-Isopropyltoluene

Concen: 18.799 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW008849.D

Acq: 27 Feb 2019 12:46

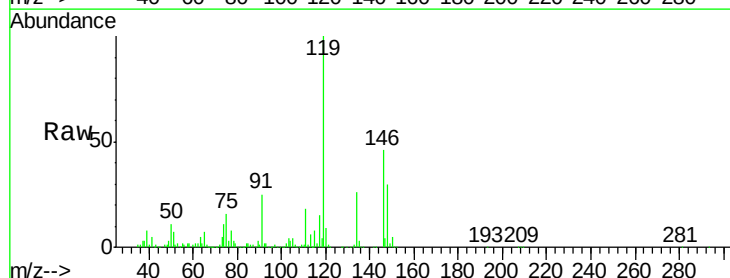
Tgt Ion:119 Resp: 303696

Ion Ratio Lower Upper

119 100

134 27.1 13.1 39.3

91 24.0 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

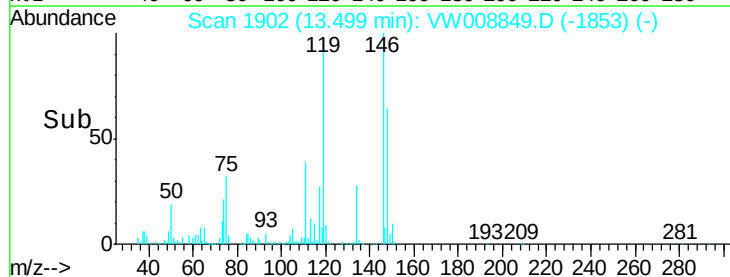
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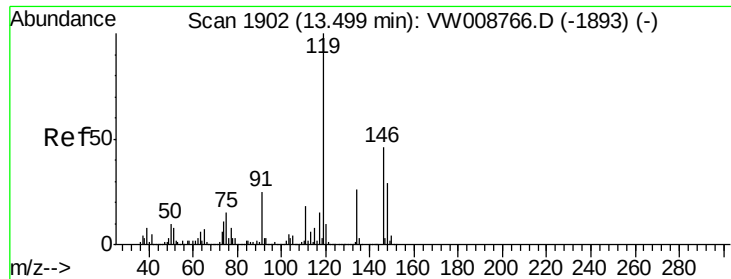
13.40

13.50

13.60

Time-->





#87

1,3-Dichlorobenzene

Concen: 19.153 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW008849.D

Acq: 27 Feb 2019 12:46

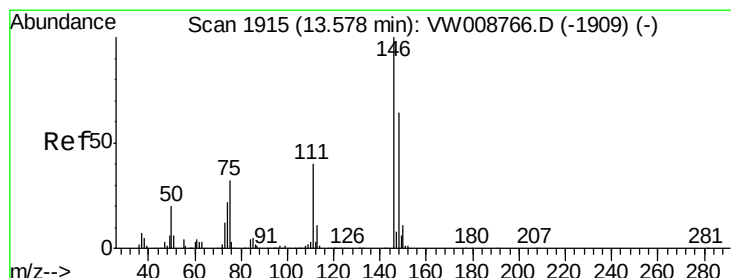
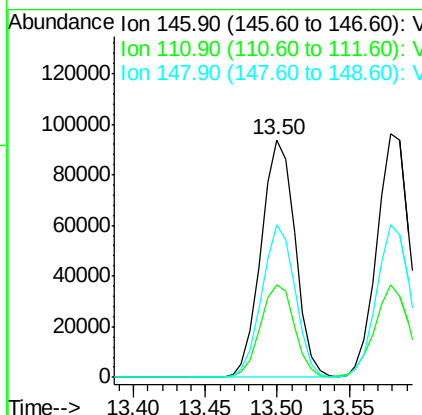
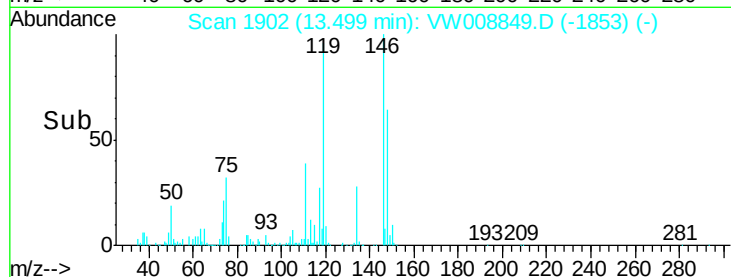
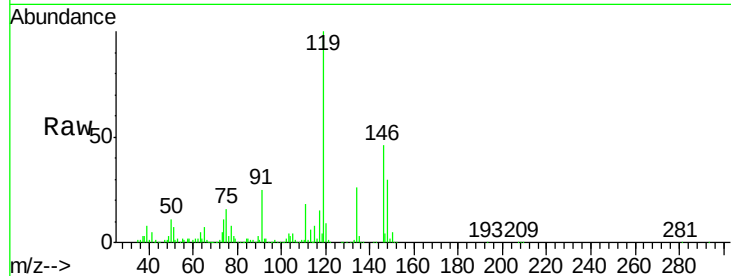
Instrument :
MSVOA_W

ClientSampleId :
VW0227SBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.0	19.9	59.7
148	63.2	31.6	94.8

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 19.344 ug/l

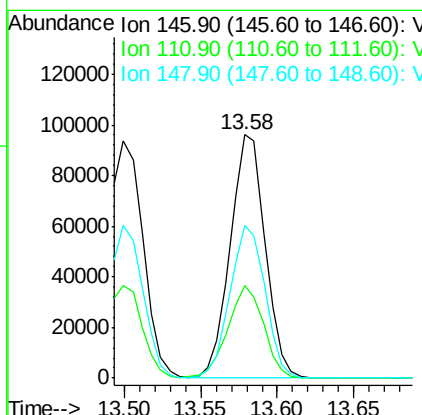
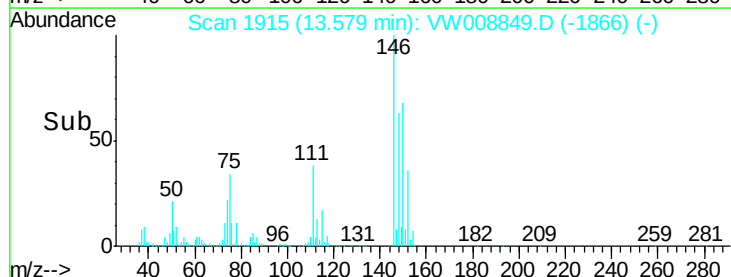
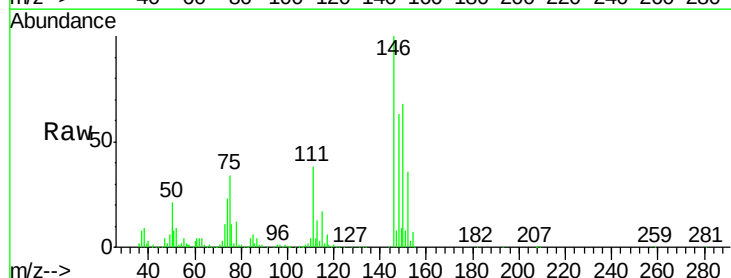
RT: 13.58 min Scan# 1915

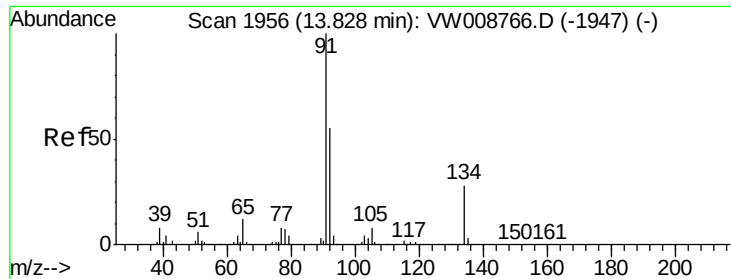
Delta R.T. 0.00 min

Lab File: VW008849.D

Acq: 27 Feb 2019 12:46

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.1	19.3	57.9
148	63.0	31.9	95.9





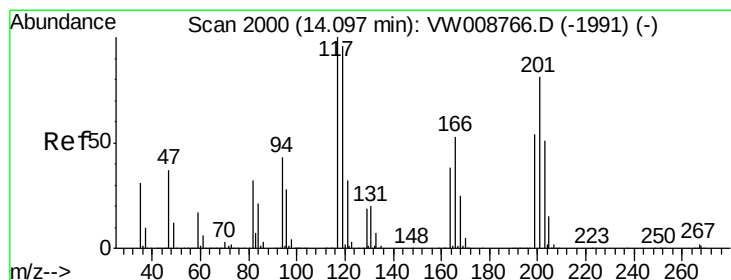
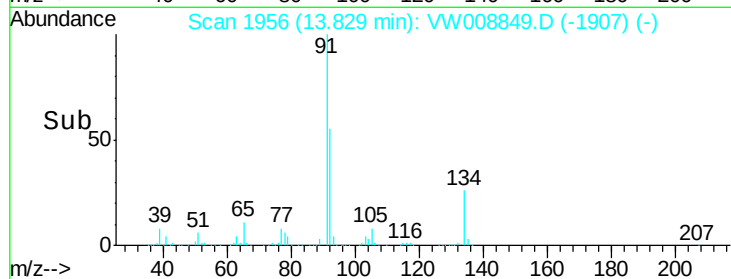
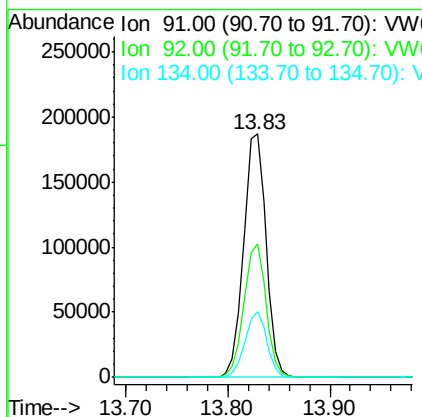
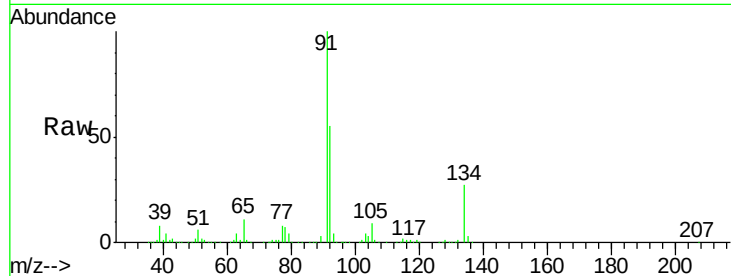
#89
n-Butylbenzene
Concen: 18.877 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VW008849.D
Acq: 27 Feb 2019 12:46

Instrument :
MSVOA_W
ClientSampleId :
VW0227SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	285705		
92	54.0		26.8	80.4
134	26.3		13.5	40.4

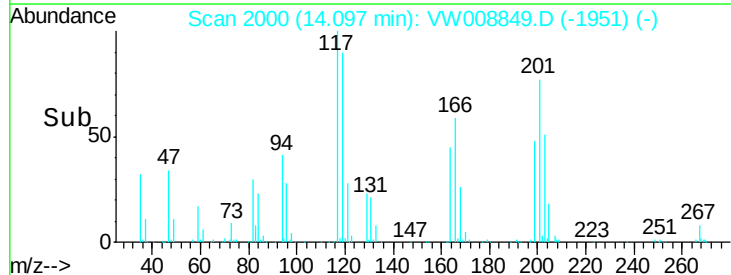
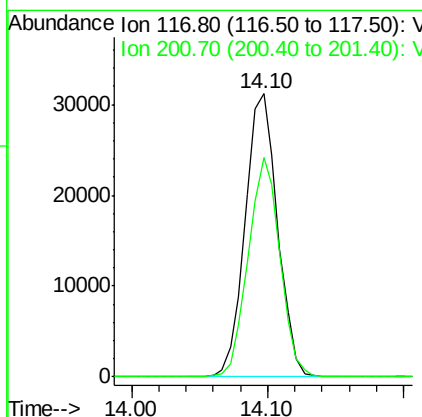
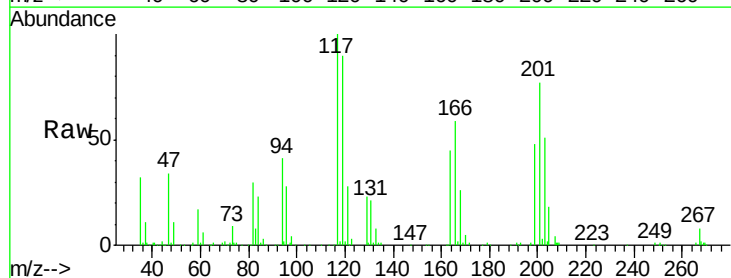
Manual Integrations
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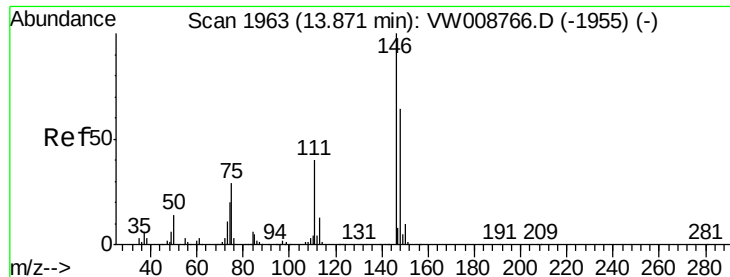
MMDadoda
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#90
Hexachloroethane
Concen: 19.675 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW008849.D
Acq: 27 Feb 2019 12:46

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	52033		
201	75.9		40.3	120.8





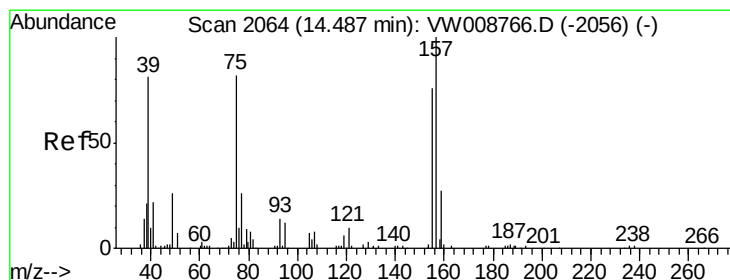
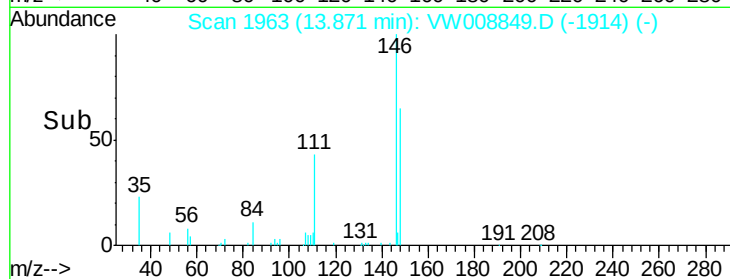
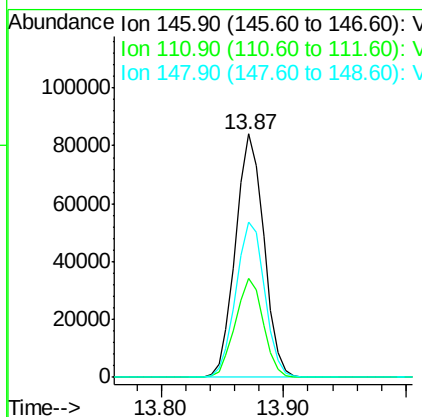
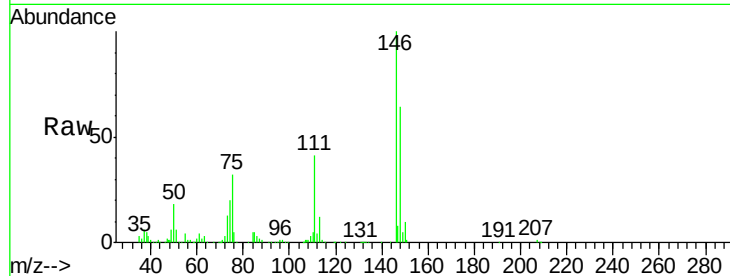
#91
 1,2-Dichlorobenzene
 Concen: 18.921 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW008849.D
 Acq: 27 Feb 2019 12:46

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0227SBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.2	20.3	60.8
148	64.7	32.5	97.5

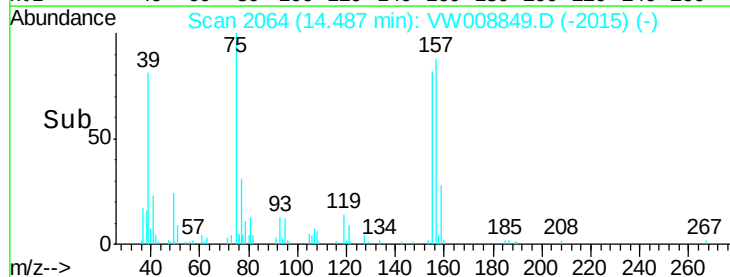
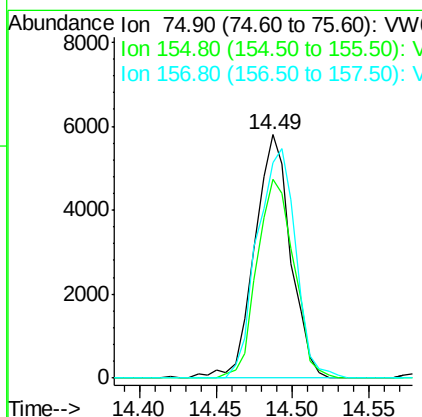
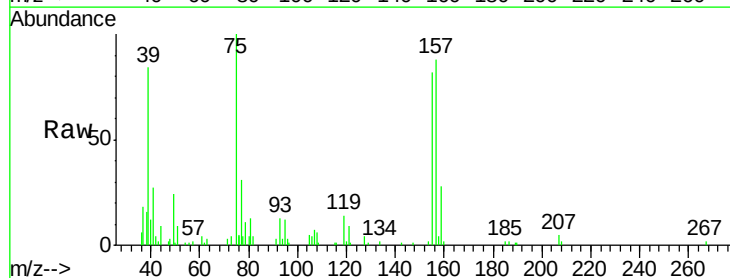
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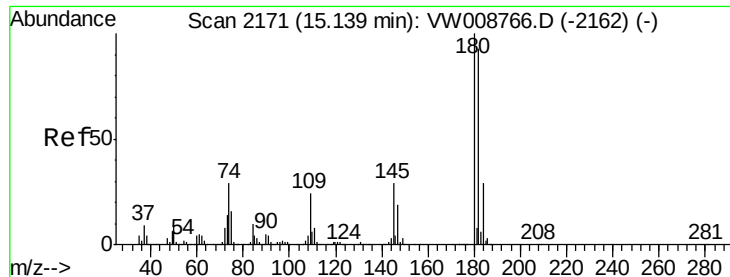
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.698 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW008849.D
 Acq: 27 Feb 2019 12:46

Tgt Ion	Ratio	Lower	Upper
75	100		
155	84.0	41.8	125.4
157	100.8	56.6	169.9





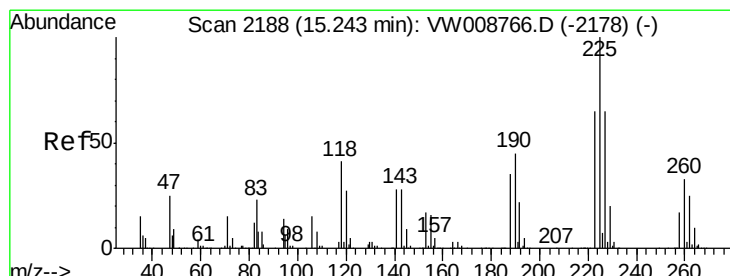
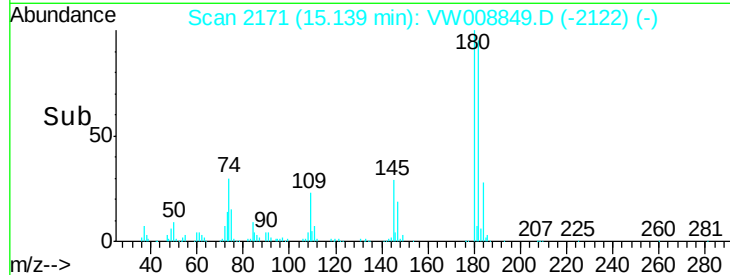
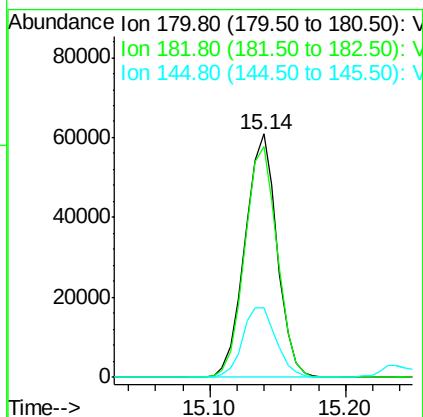
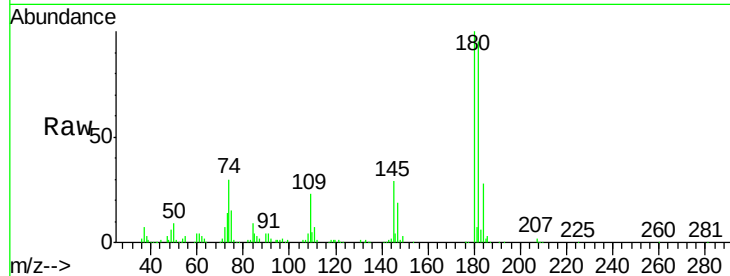
#93
 1,2,4-Trichlorobenzene
 Concen: 19.540 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW008849.D
 Acq: 27 Feb 2019 12:46

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0227SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	100314		
182	96.5	47.2	141.6	
145	30.0	14.4	43.0	

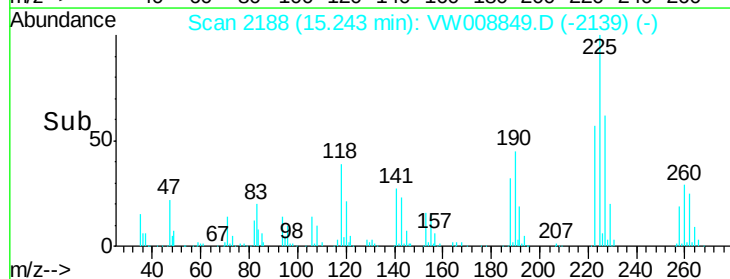
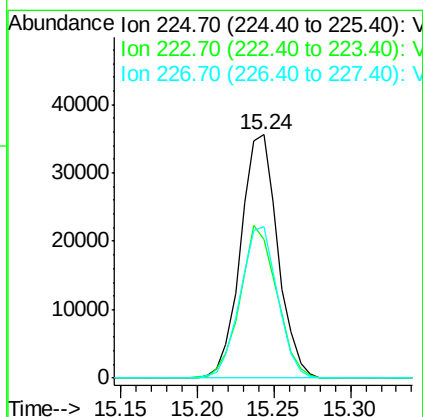
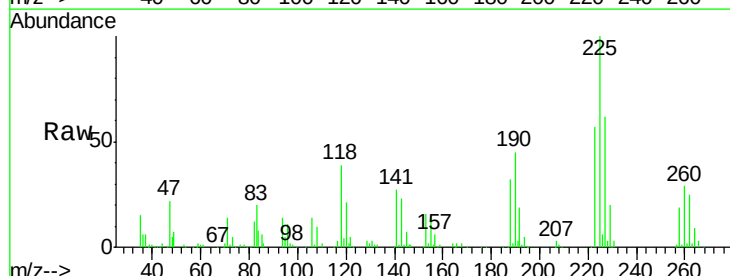
Manual Integrations
 APPROVED

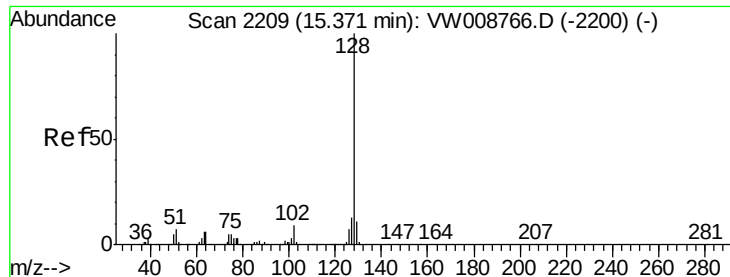
MMDadoda
 3/1/2019 12:09:42 AM



#94
 Hexachlorobutadiene
 Concen: 19.754 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW008849.D
 Acq: 27 Feb 2019 12:46

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	59737		
223	62.0	31.5	94.5	
227	62.9	31.6	94.8	





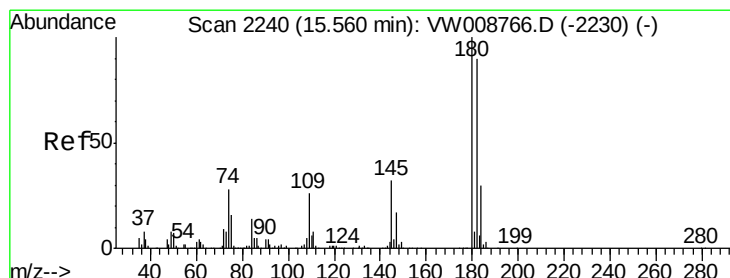
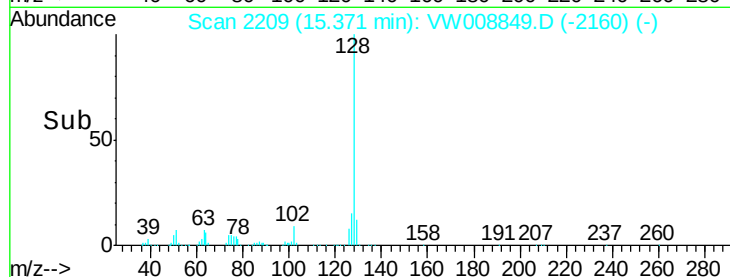
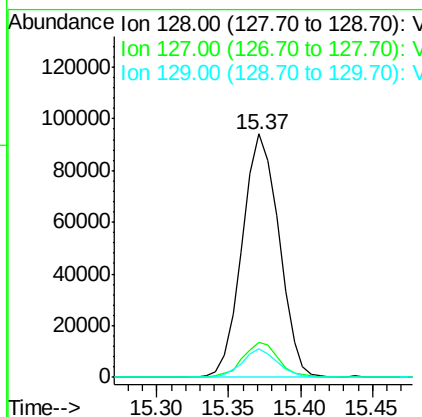
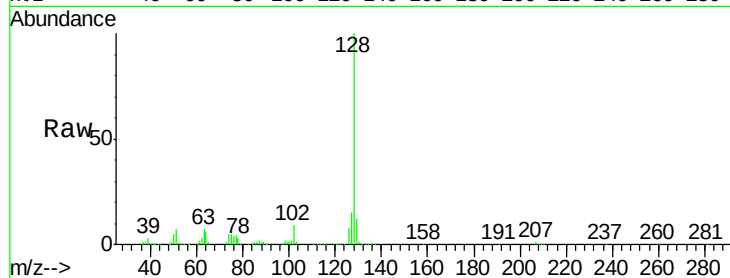
#95
Naphthalene
Concen: 19.136 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW008849.D
Acq: 27 Feb 2019 12:46

Instrument :
MSVOA_W
ClientSampleId :
VW0227SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	167269		
127	14.0		10.8	16.2
129	11.1		8.7	13.1

Manual Integrations
APPROVED

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3/1/2019 12:09:42 AM



#96
1,2,3-Trichlorobenzene
Concen: 19.973 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW008849.D
Acq: 27 Feb 2019 12:46

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	88656		
182	95.2		46.9	140.8
145	33.0		15.9	47.6

