

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092419\
 Data File : VW013269.D
 Acq On : 24 Sep 2019 12:10
 Operator : SY/VA
 Sample : VW0924SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0924SBS01

Manual Integrations
 APPROVED

MMDadoda
 9/26/2019 12:37:35 AM

Quant Time: Sep 25 07:39:47 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 20 15:58:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	332029	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	472967	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	413927	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	207423	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	131166	48.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.80%	
35) Dibromofluoromethane	7.88	113	126350	48.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.14%	
50) Toluene-d8	10.32	98	531048	48.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.56%	
62) 4-Bromofluorobenzene	12.62	95	186354	50.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.22%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	39497	20.622	ug/l	96
3) Chloromethane	2.21	50	48435	19.673	ug/l	98
4) Vinyl Chloride	2.36	62	62592	19.720	ug/l	100
5) Bromomethane	2.77	94	38547	19.164	ug/l	97
6) Chloroethane	2.90	64	34038	18.193	ug/l	98
7) Trichlorofluoromethane	3.24	101	29785	16.274	ug/l	100
8) Diethyl Ether	3.68	74	32459	20.763	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.05	101	58497	19.632	ug/l	99
10) Methyl Iodide	4.26	142	88014	19.051	ug/l	99
11) Tert butyl alcohol	5.21	59	22413	109.203	ug/l	95
12) 1,1-Dichloroethene	4.03	96	60128	19.487	ug/l	94
13) Acrolein	3.89	56	17521	112.319	ug/l	97
14) Allyl chloride	4.66	41	95650	19.478	ug/l	99
15) Acrylonitrile	5.37	53	83703	124.049	ug/l	98
16) Acetone	4.14	43	72839	119.193	ug/l	98
17) Carbon Disulfide	4.37	76	165309	18.535	ug/l	98
18) Methyl Acetate	4.67	43	44195	25.728	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	101367	21.435	ug/l	96
20) Methylene Chloride	4.91	84	66021	19.343	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	65405	19.612	ug/l	95
22) Diisopropyl ether	6.31	45	188726	20.210	ug/l	98
23) Vinyl Acetate	6.25	43	602492	108.755	ug/l	98
24) 1,1-Dichloroethane	6.21	63	110084	19.536	ug/l	99
25) 2-Butanone	7.17	43	108750	118.547	ug/l	93
26) 2,2-Dichloropropane	7.17	77	69977	18.667	ug/l	99
27) cis-1,2-Dichloroethene	7.16	96	69375	19.712	ug/l	100
28) Bromochloromethane	7.51	49	35942	16.619	ug/l	99
29) Tetrahydrofuran	7.53	42	72698	129.221	ug/l	98
30) Chloroform	7.67	83	106365	19.280	ug/l	100
31) Cyclohexane	7.95	56	117290	19.968	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	88094	19.716	ug/l	99
36) 1,1-Dichloropropene	8.08	75	92481	20.188	ug/l	100
37) Ethyl Acetate	7.25	43	48068	24.689	ug/l	99
38) Carbon Tetrachloride	8.07	117	80156	19.519	ug/l	95

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 Quant Title : SW846 8260
 QLast Update : Fri Sep 20 15:58:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	120004	20.384	ug/l	98
40) Benzene	8.32	78	256734	20.092	ug/l	98
41) Methacrylonitrile	7.48	41	28529	24.552	ug/l	95
42) 1,2-Dichloroethane	8.40	62	69755	20.308	ug/l	98
43) Isopropyl Acetate	8.42	43	86900	23.288	ug/l	98
44) Trichloroethene	9.09	130	69595	19.412	ug/l	100
45) 1,2-Dichloropropane	9.37	63	63710	20.422	ug/l	97
46) Dibromomethane	9.46	93	33067	21.833	ug/l	99
47) Bromodichloromethane	9.64	83	74087	19.224	ug/l #	98
48) Methyl methacrylate	9.43	41	44265	25.228	ug/l	94
49) 1,4-Dioxane	9.47	88	12431	546.789	ug/l #	92
51) 4-Methyl-2-Pentanone	10.21	43	232961	124.533	ug/l	99
52) Toluene	10.38	92	165287	20.183	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	82433	20.819	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	98626	20.487	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	48962	21.628	ug/l	95
56) Ethyl methacrylate	10.64	69	67809	22.888	ug/l	100
57) 1,3-Dichloropropane	10.93	76	85560	21.659	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	148751	108.454	ug/l	98
59) 2-Hexanone	10.97	43	165736	128.775	ug/l	100
60) Dibromochloromethane	11.13	129	53239	20.712	ug/l	100
61) 1,2-Dibromoethane	11.23	107	47177	21.918	ug/l	99
64) Tetrachloroethene	10.86	164	62153	19.790	ug/l	96
65) Chlorobenzene	11.66	112	169113	19.565	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	59756	20.236	ug/l	99
67) Ethyl Benzene	11.73	91	314601	20.088	ug/l	99
68) m/p-Xylenes	11.84	106	237787	39.844	ug/l	98
69) o-Xylene	12.16	106	110933	19.993	ug/l	99
70) Styrene	12.18	104	193830	20.348	ug/l	99
71) Bromoform	12.35	173	33439	21.435	ug/l	97
73) Isopropylbenzene	12.46	105	312463	20.392	ug/l	100
74) N-amyl acetate	12.27	43	78682	23.141	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	58762	22.931	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	45885m	25.049	ug/l	
77) Bromobenzene	12.74	156	72406	19.941	ug/l	95
78) n-propylbenzene	12.80	91	364187	20.305	ug/l	100
79) 2-Chlorotoluene	12.89	91	201484	20.052	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	260319	20.211	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	19610	24.022	ug/l	96
82) 4-Chlorotoluene	12.99	91	212179	20.024	ug/l	100
83) tert-Butylbenzene	13.21	119	230669	20.404	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	261462	20.400	ug/l	100
85) sec-Butylbenzene	13.38	105	320142	20.540	ug/l	100
86) p-Isopropyltoluene	13.50	119	296949	20.541	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	139382	19.946	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	141291	20.616	ug/l	99
89) n-Butylbenzene	13.82	91	272004	20.606	ug/l	99
90) Hexachloroethane	14.09	117	46500	19.147	ug/l	96
91) 1,2-Dichlorobenzene	13.87	146	125293	20.725	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	9938	25.355	ug/l	97

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ClientSampleId :
VW0924SBS01

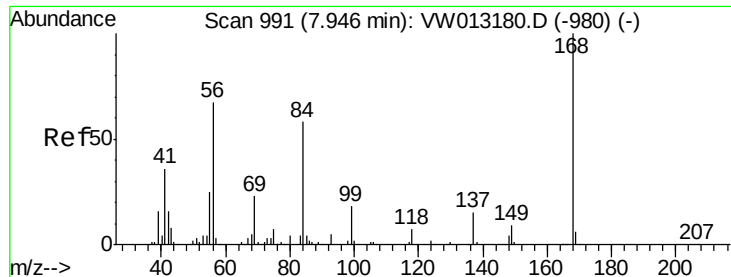
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	93341	21.546	ug/l	99
94) Hexachlorobutadiene	15.24	225	60604	20.448	ug/l	100
95) Naphthalene	15.36	128	186045	26.258	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	83238	22.237	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. -0.00 min

Lab File: VW013269.D

Acq: 24 Sep 2019 12:10

Instrument :

MSVOA_W

ClientSampleId :

VW0924SBS01

Tot Ion:168 Resp: 332029

Ion Ratio Lower Upper

168 100

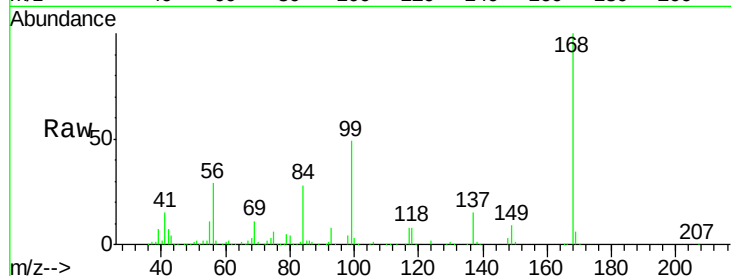
99 49.3 40.2 60.4

Manual Integrations

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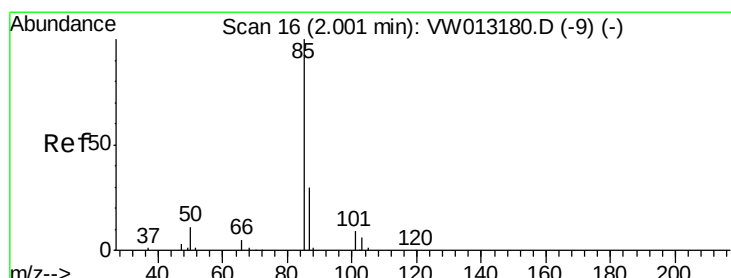
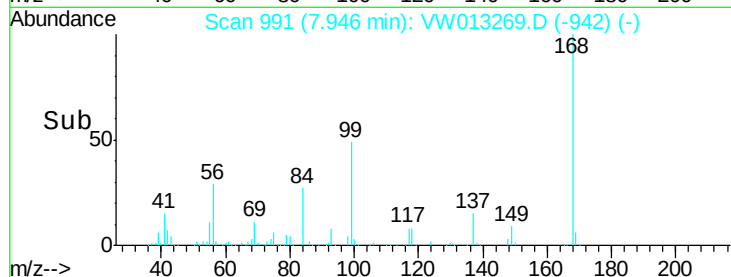
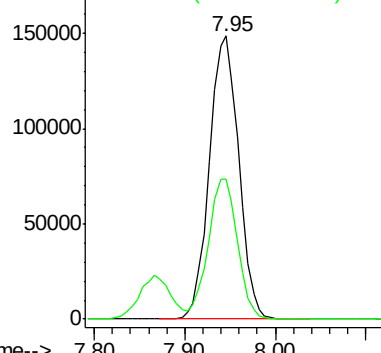
MMDadoda

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 20.622 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.01 min

Lab File: VW013269.D

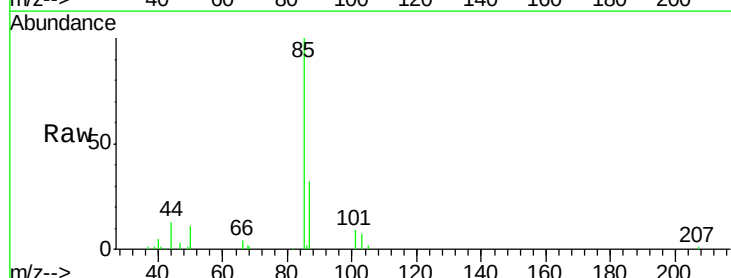
Acq: 24 Sep 2019 12:10

Tgt Ion: 85 Resp: 39497

Ion Ratio Lower Upper

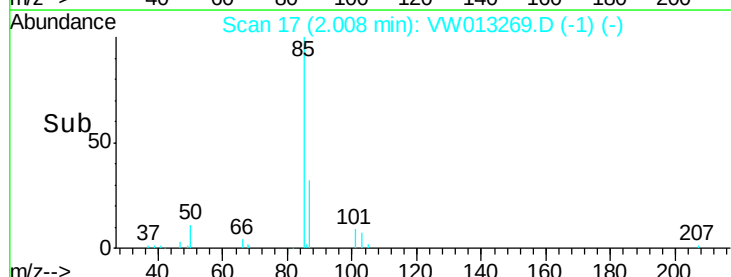
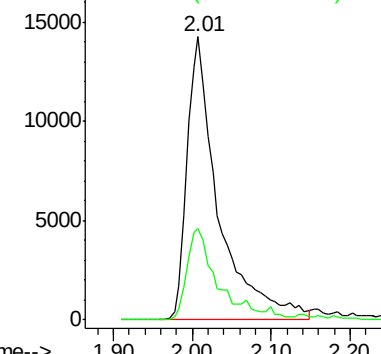
85 100

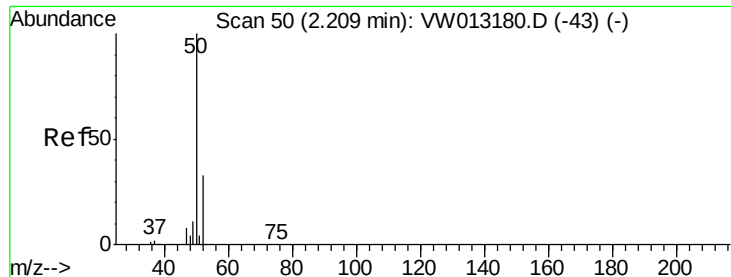
87 32.4 15.1 45.3



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 19.673 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.00 min

Lab File: VW013269.D

Acq: 24 Sep 2019 12:10

Instrument :

MSVOA_W

ClientSampleId :

VW0924SBS01

Tot Ion: 50 Resp: 48435

Ion Ratio Lower Upper

50 100

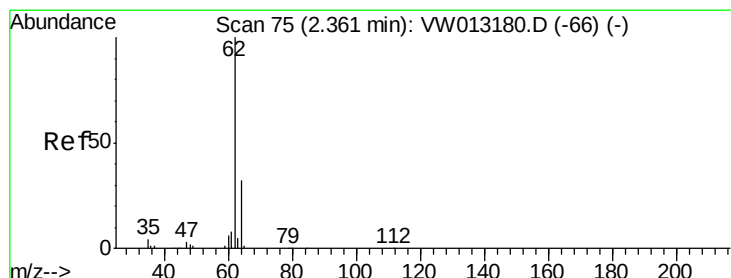
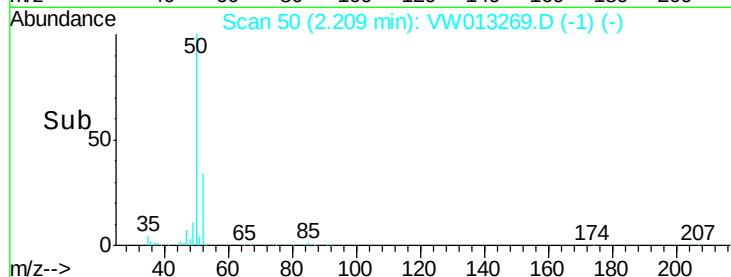
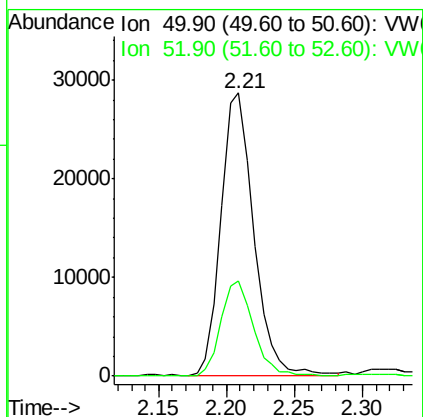
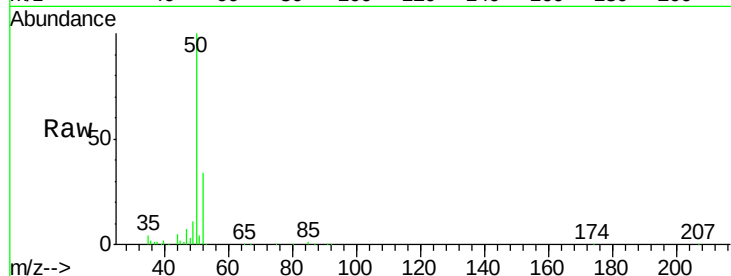
52 33.6 26.1 39.1

Manual Integrations

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#4

Vinyl Chloride

Concen: 19.720 ug/l

RT: 2.36 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW013269.D

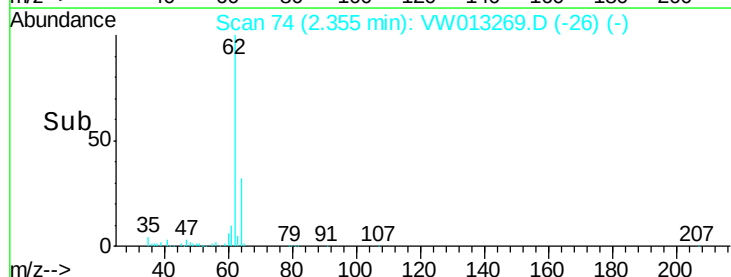
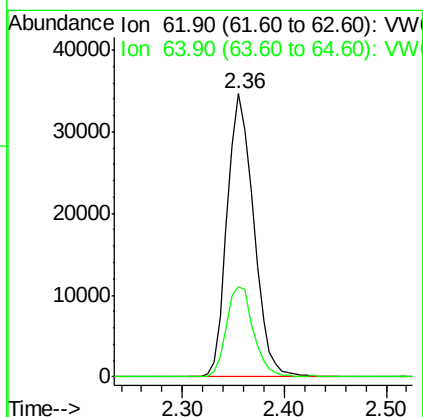
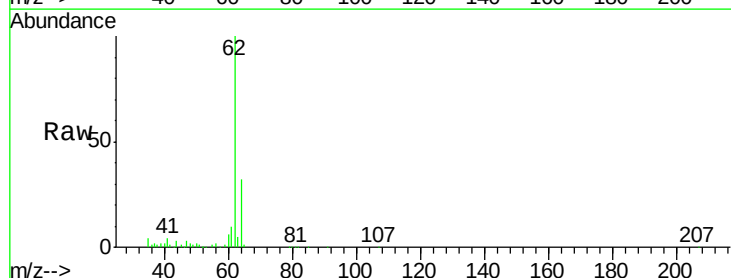
Acq: 24 Sep 2019 12:10

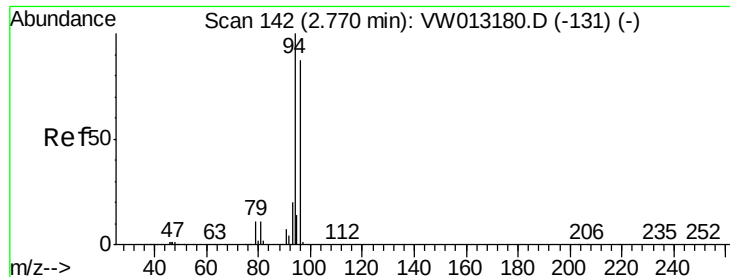
Tgt Ion: 62 Resp: 62592

Ion Ratio Lower Upper

62 100

64 31.7 25.3 37.9





#5

Bromomethane

Concen: 19.164 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.00 min

Lab File: VW013269.D

Acq: 24 Sep 2019 12:10

Instrument :

MSVOA_W

ClientSampleId :

VW0924SBS01

Tot Ion: 94 Resp: 38547

Ion Ratio Lower Upper

94 100

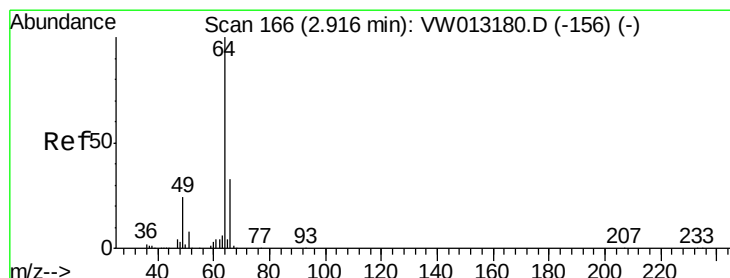
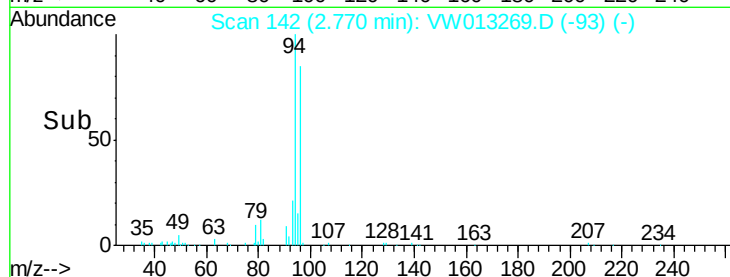
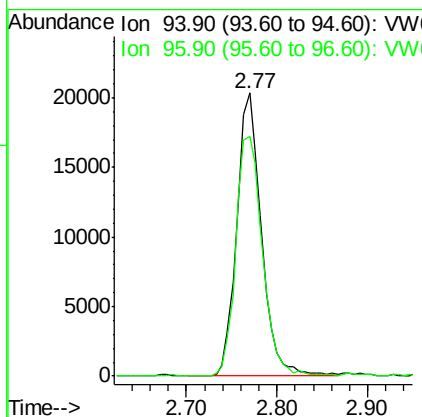
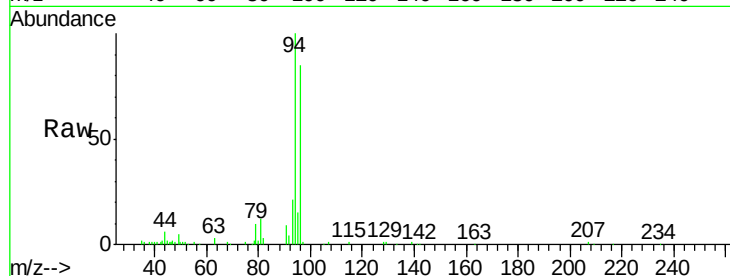
96 84.7 69.7 104.5

Manual Integrations

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9/26/2019 12:37:35 AM



#6

Chloroethane

Concen: 18.193 ug/l

RT: 2.90 min Scan# 163

Delta R.T. -0.02 min

Lab File: VW013269.D

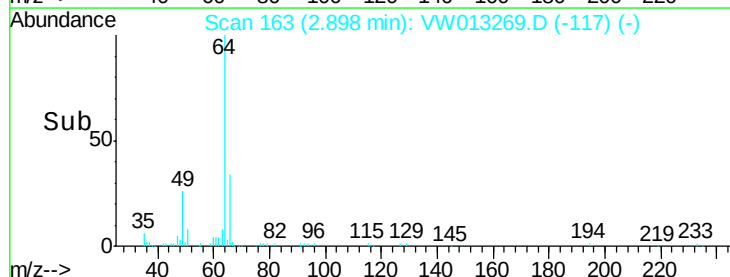
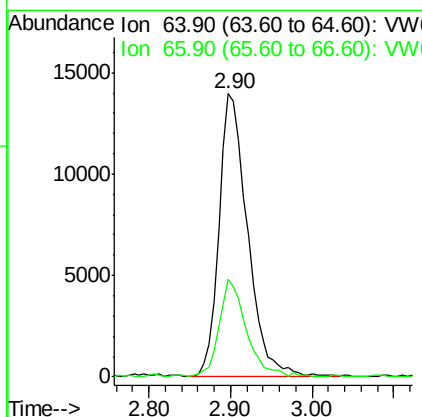
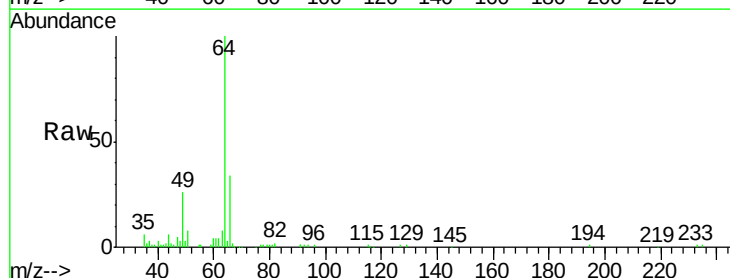
Acq: 24 Sep 2019 12:10

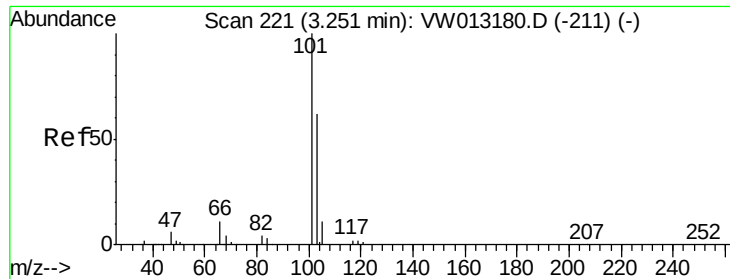
Tgt Ion: 64 Resp: 34038

Ion Ratio Lower Upper

64 100

66 34.4 26.6 39.8





#7

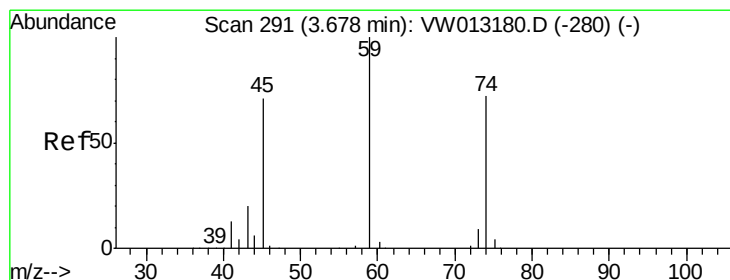
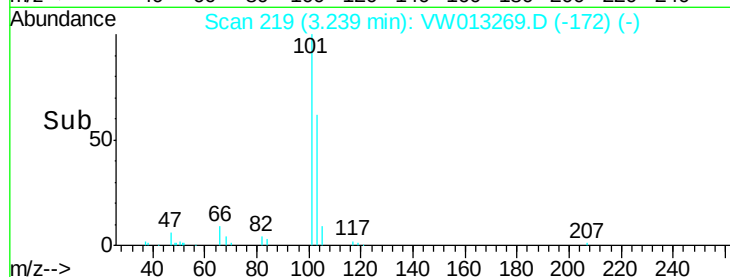
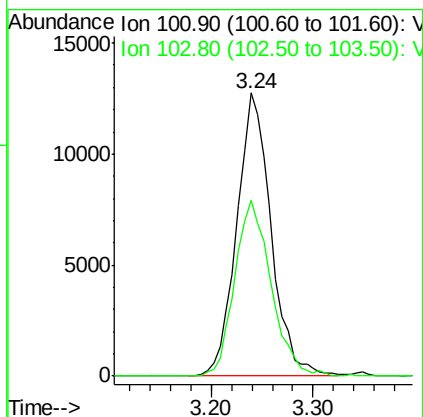
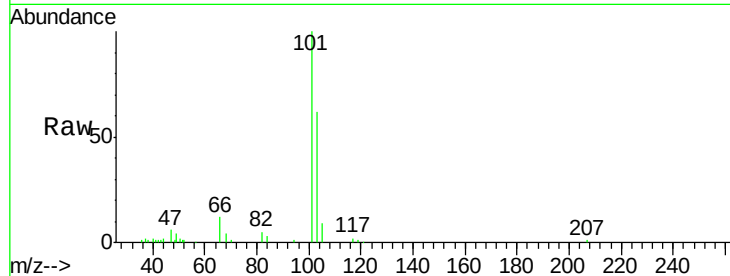
Trichlorofluoromethane
Concen: 16.274 ug/l
RT: 3.24 min Scan# 219
Delta R.T. -0.01 min
Lab File: VW013269.D
Acq: 24 Sep 2019 12:10

Instrument :
MSVOA_W
ClientSampleId :
VW0924SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.1	49.7	74.5

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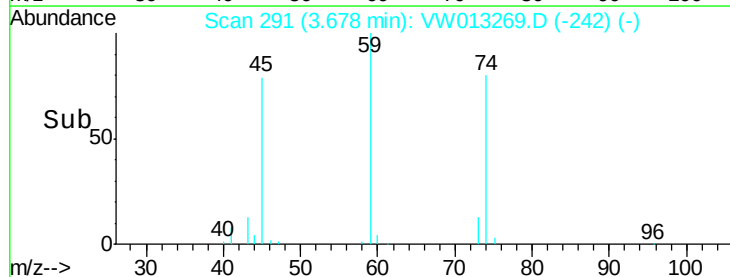
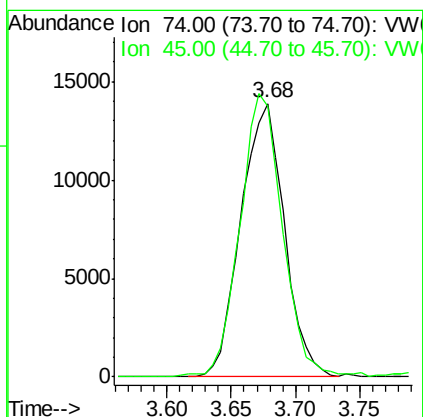
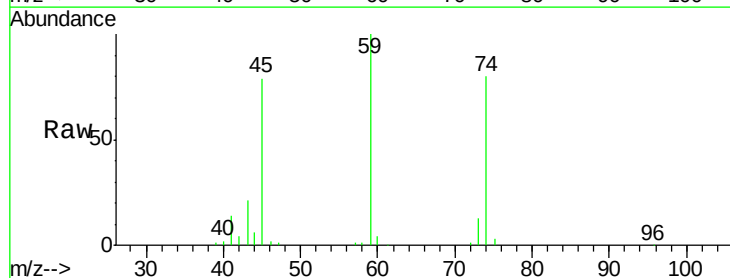
MMDadoda
9/26/2019 12:37:35 AM

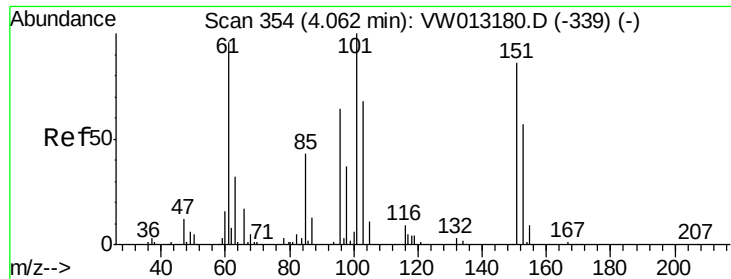


#8

Diethyl Ether
Concen: 20.763 ug/l
RT: 3.68 min Scan# 291
Delta R.T. -0.00 min
Lab File: VW013269.D
Acq: 24 Sep 2019 12:10

Tgt Ion	Ratio	Lower	Upper
74	100		
45	101.5	49.5	148.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.632 ug/l

RT: 4.05 min Scan# 352

Delta R.T. -0.01 min

Lab File: VW013269.D

Acq: 24 Sep 2019 12:10

Instrument :

MSVOA_W

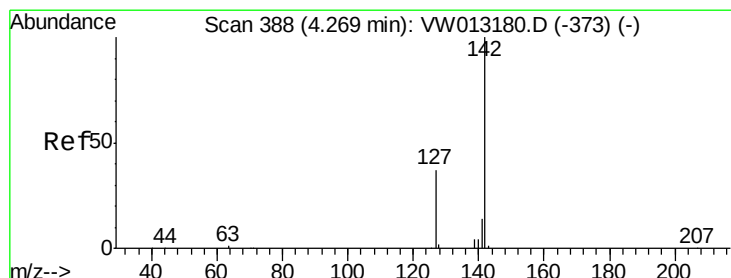
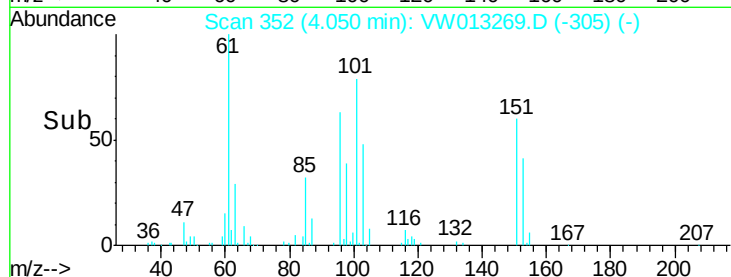
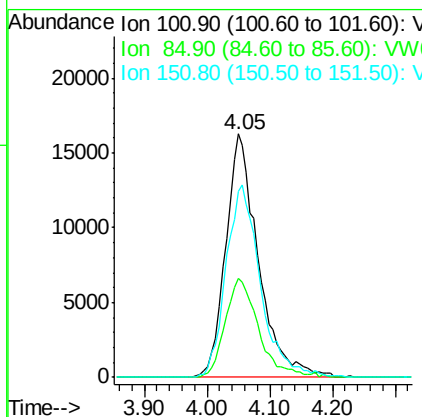
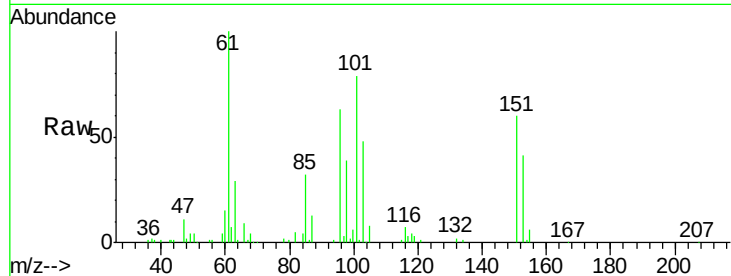
ClientSampleId :

VW0924SBS01

Tot Ion:	101	Resp:	58497
Ion Ratio	Lower	Upper	
101	100		
85	41.9	33.4	50.0
151	82.7	66.9	100.3

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#10

Methyl Iodide

Concen: 19.051 ug/l

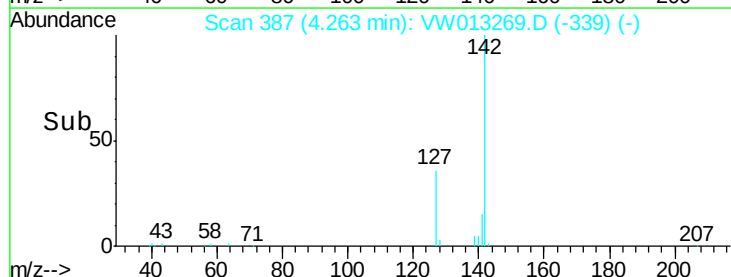
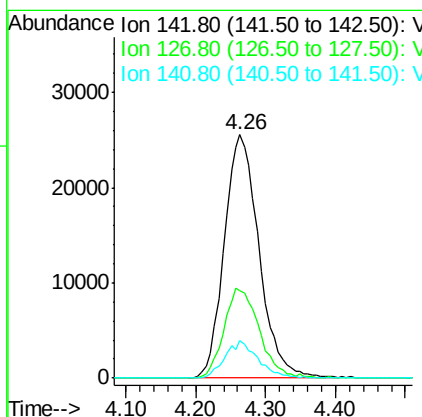
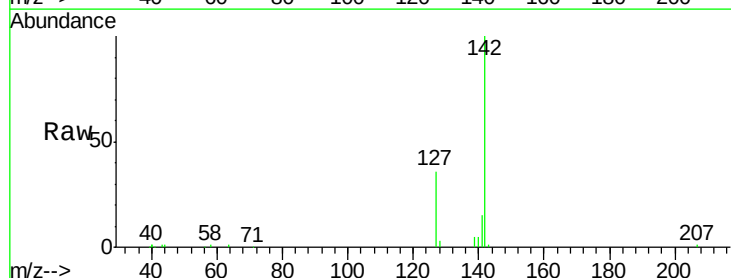
RT: 4.26 min Scan# 387

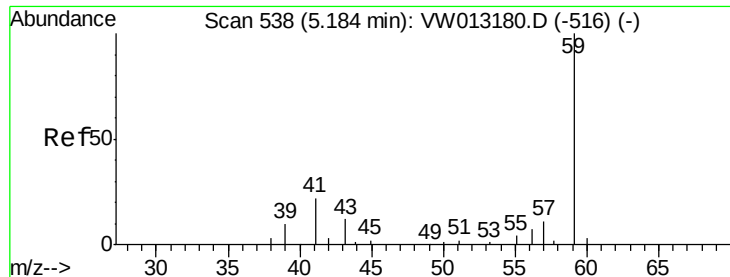
Delta R.T. -0.01 min

Lab File: VW013269.D

Acq: 24 Sep 2019 12:10

Tgt Ion:	142	Resp:	88014
Ion Ratio	Lower	Upper	
142	100		
127	37.7	30.9	46.3
141	14.4	11.7	17.5





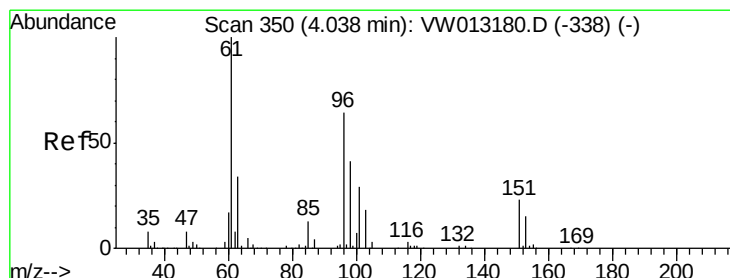
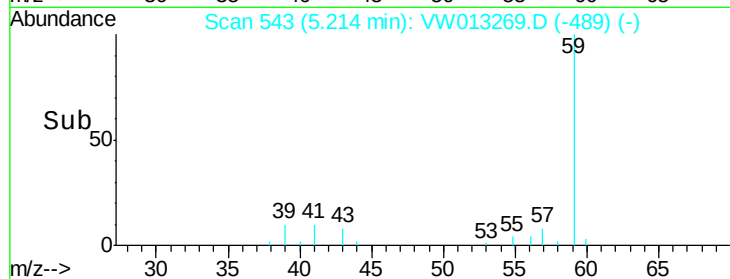
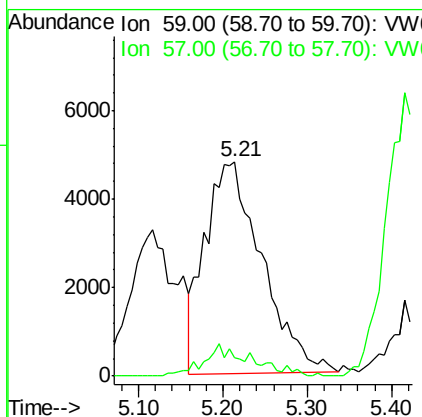
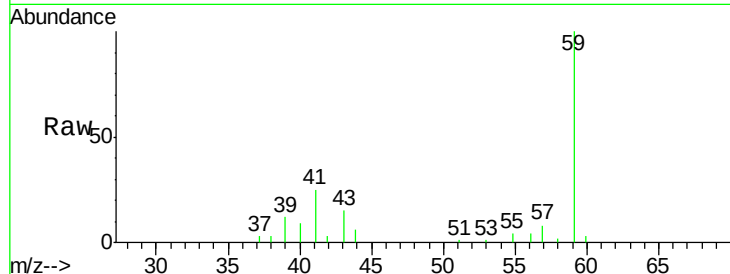
#11
Tert butyl alcohol
Concen: 109.203 ug/l
RT: 5.21 min Scan# 543
Delta R.T. 0.03 min
Lab File: VW013269.D
Acq: 24 Sep 2019 12:10

Instrument :
MSVOA_W
ClientSampleId :
VW0924SBS01

Tot Ion	59	Resp	22413
Ion Ratio	100	Lower	Upper
57	8.3	8.2	12.2

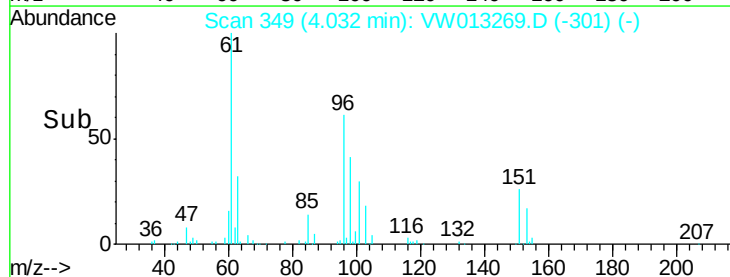
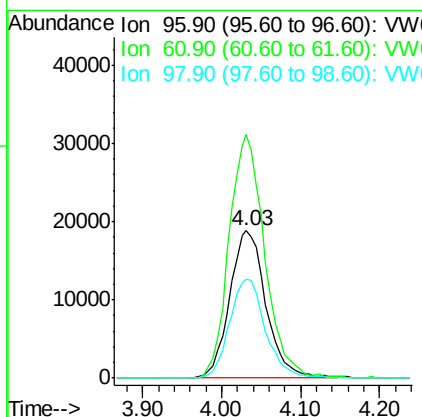
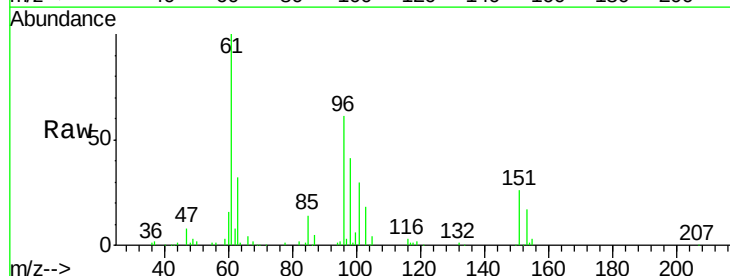
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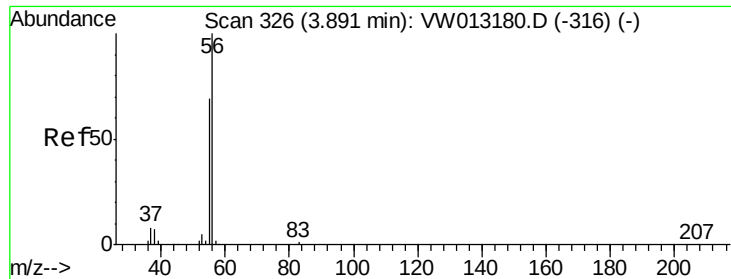
MMDadoda
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#12
1,1-Dichloroethene
Concen: 19.487 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.01 min
Lab File: VW013269.D
Acq: 24 Sep 2019 12:10

Tgt Ion	96	Resp	60128
Ion Ratio	100	Lower	Upper
61	165.1	125.1	187.7
98	66.9	50.8	76.2





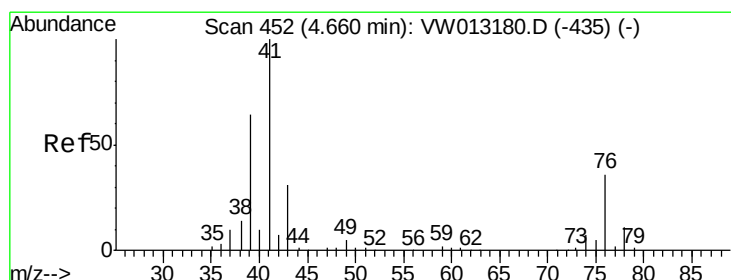
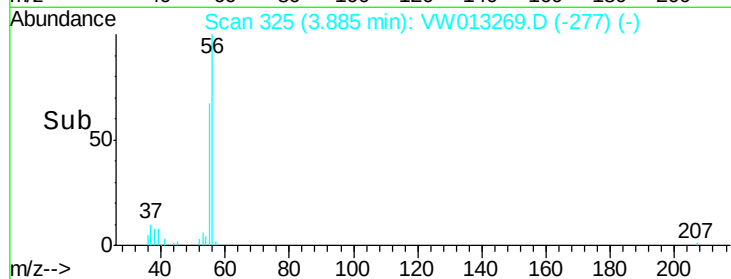
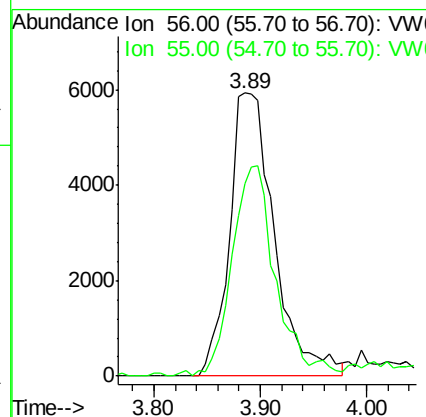
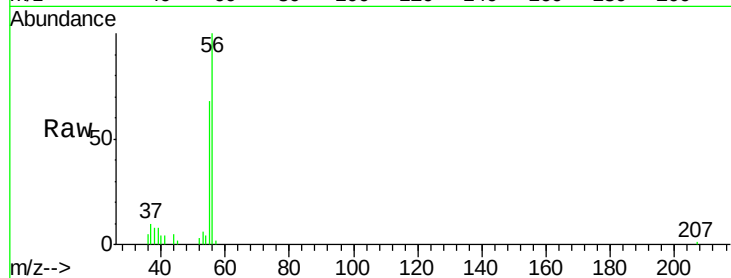
#13
Acrolein
Concen: 112.319 ug/l
RT: 3.89 min Scan# 325
Delta R.T. -0.01 min
Lab File: VW013269.D
Acq: 24 Sep 2019 12:10

Instrument :
MSVOA_W
ClientSampleId :
VW0924SBS01

Tot Ion	56	Resp	17521
Ion Ratio	100	Lower	Upper
56	100		
55	71.7	55.4	83.0

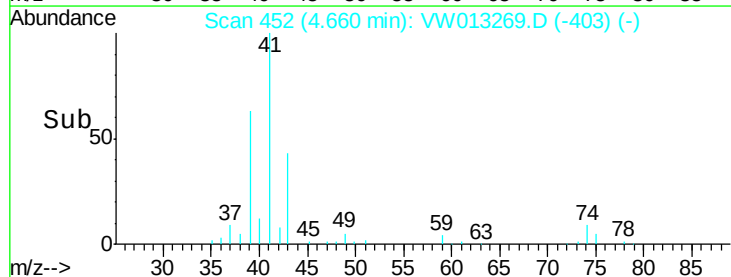
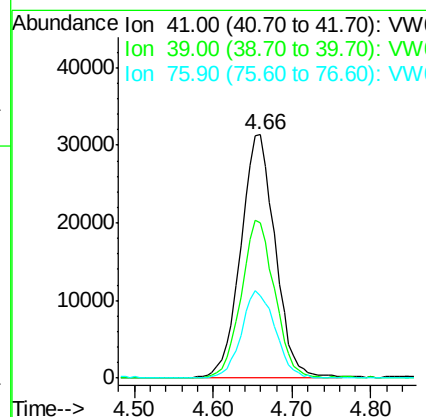
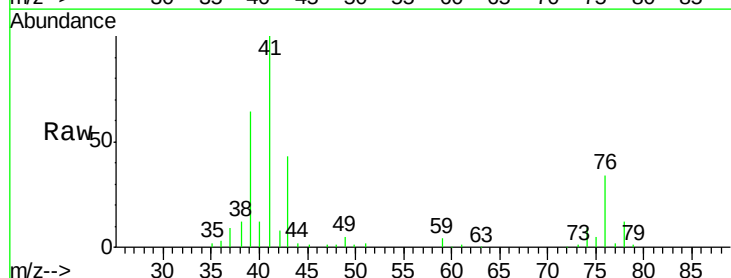
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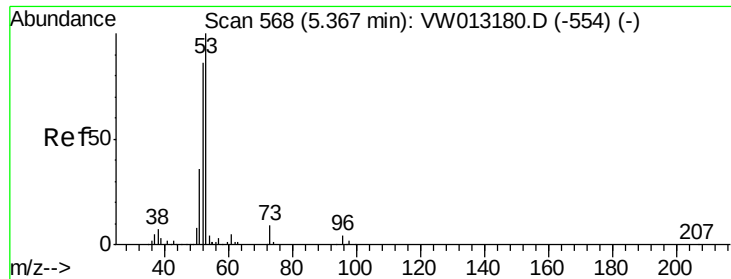
MMDadoda
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#14
Allyl chloride
Concen: 19.478 ug/l
RT: 4.66 min Scan# 452
Delta R.T. -0.00 min
Lab File: VW013269.D
Acq: 24 Sep 2019 12:10

Tgt Ion	41	Resp	95650
Ion Ratio	100	Lower	Upper
41	100		
39	62.9	51.0	76.4
76	35.0	28.4	42.6





#15

Acrylonitrile

Concen: 124.049 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW013269.D

Acq: 24 Sep 2019 12:10

Instrument :

MSVOA_W

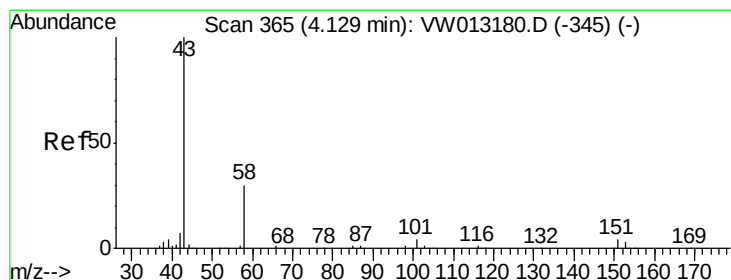
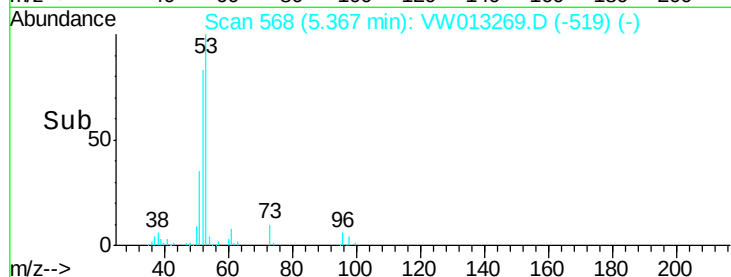
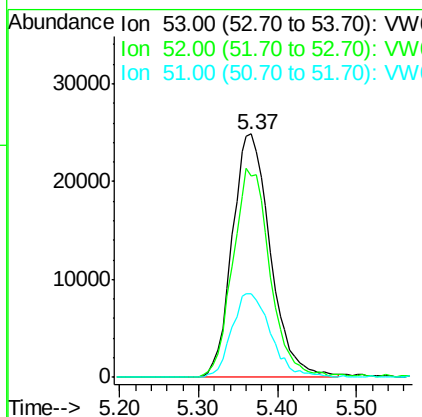
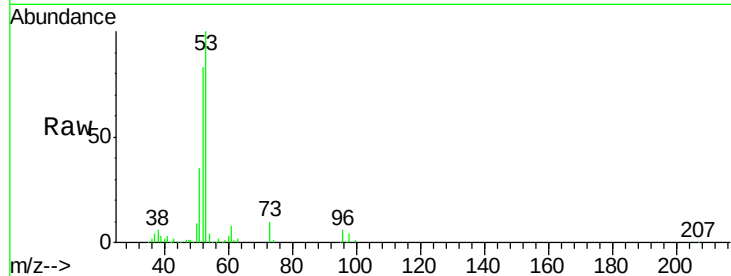
ClientSampleId :

VW0924SBS01

Tot Ion:	53	Resp:	83703
Ion Ratio	Lower	Upper	
53	100		
52	83.6	65.3	97.9
51	35.5	29.0	43.4

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#16

Acetone

Concen: 119.193 ug/l

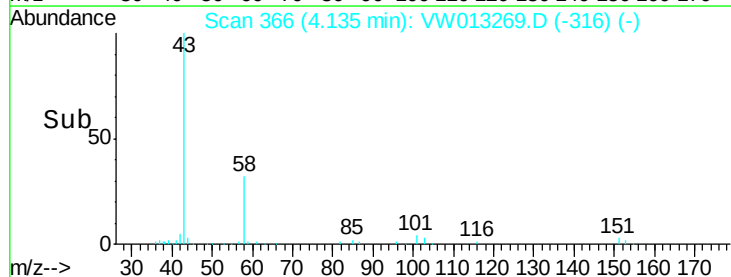
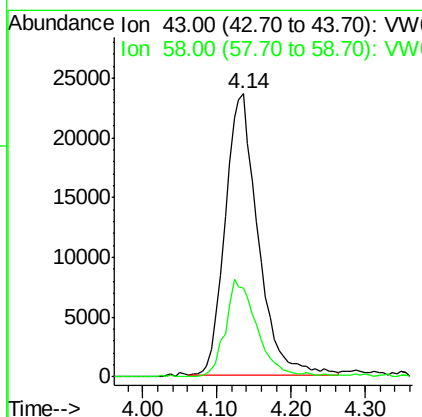
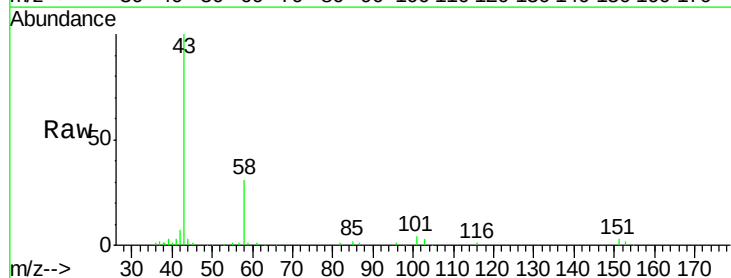
RT: 4.14 min Scan# 366

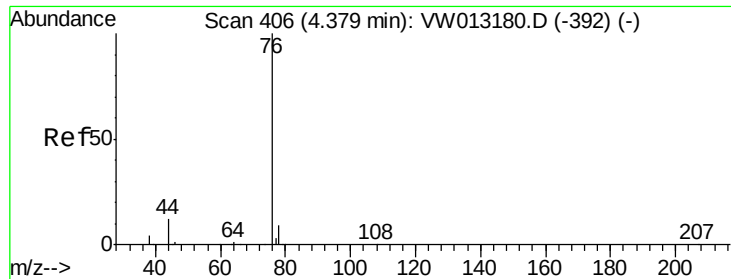
Delta R.T. 0.01 min

Lab File: VW013269.D

Acq: 24 Sep 2019 12:10

Tgt Ion:	43	Resp:	72839
Ion Ratio	Lower	Upper	
43	100		
58	31.4	24.1	36.1





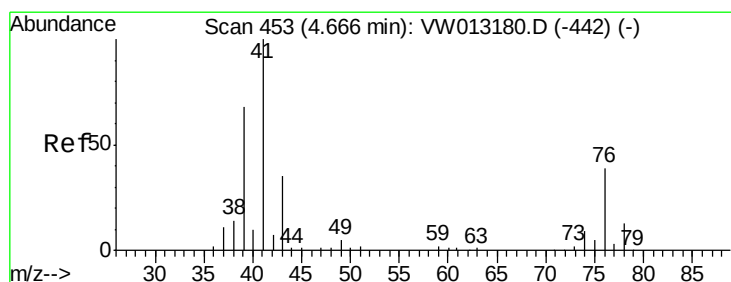
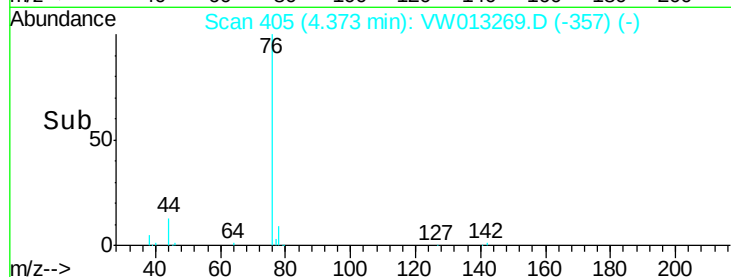
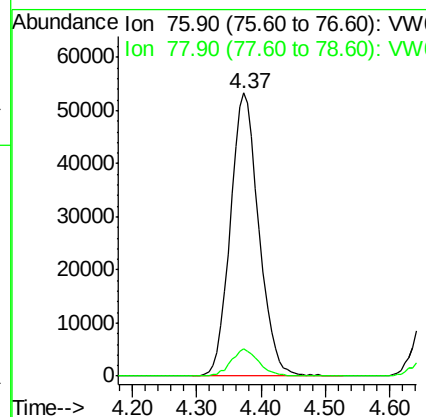
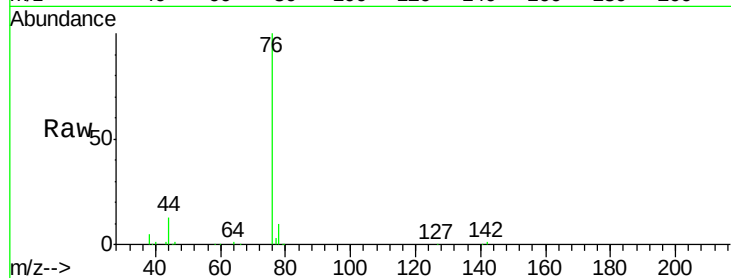
#17
Carbon Disulfide
Concen: 18.535 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.01 min
Lab File: VW013269.D
Acq: 24 Sep 2019 12:10

Instrument :
MSVOA_W
ClientSampleId :
VW0924SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.5	7.0	10.4

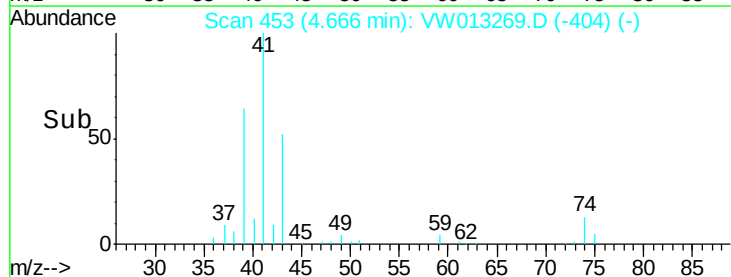
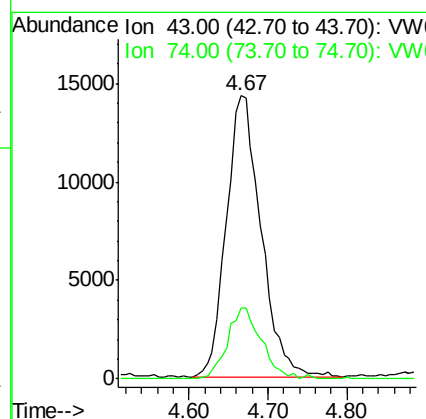
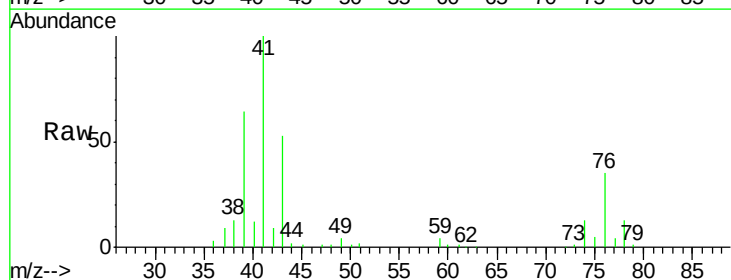
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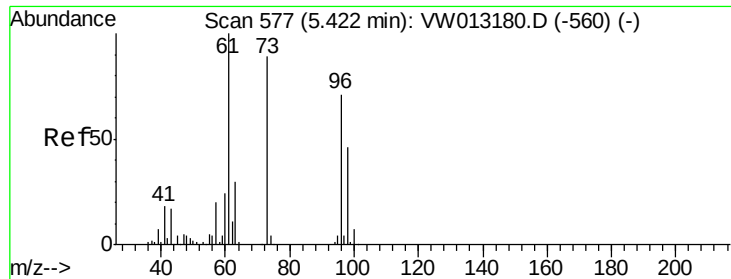
MMDadoda
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#18
Methyl Acetate
Concen: 25.728 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW013269.D
Acq: 24 Sep 2019 12:10

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.2	19.3	28.9





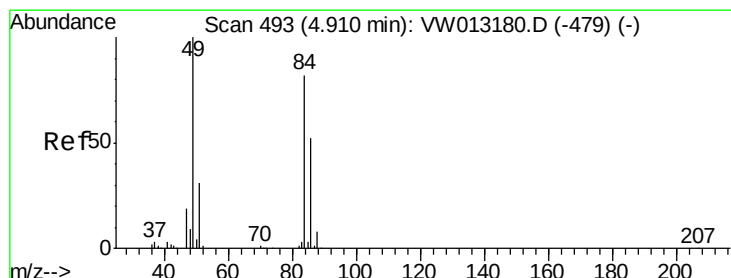
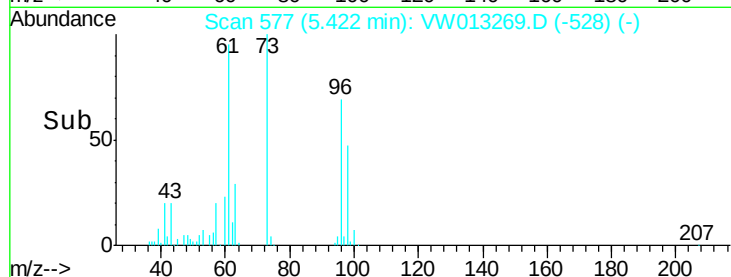
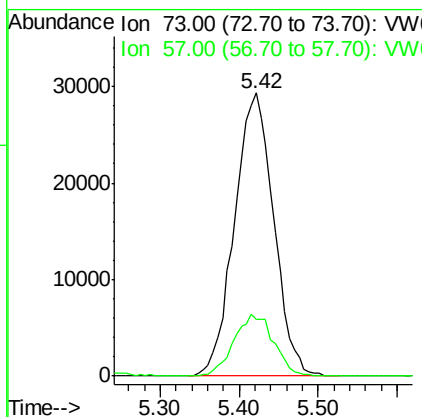
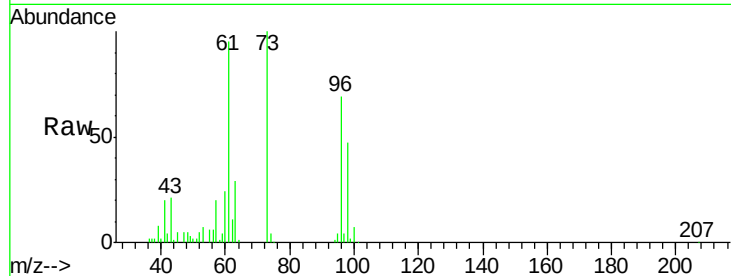
#19
Methyl tert-butyl Ether
Concen: 21.435 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW013269.D
Acq: 24 Sep 2019 12:10

Instrument :
MSVOA_W
ClientSampleId :
VW0924SBS01

Tot Ion: 73 Resp: 101367
Ion Ratio Lower Upper
73 100
57 20.2 17.6 26.4

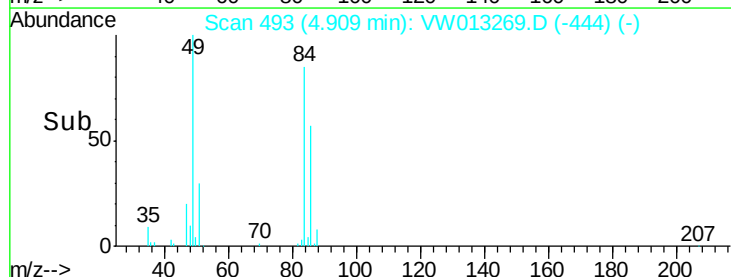
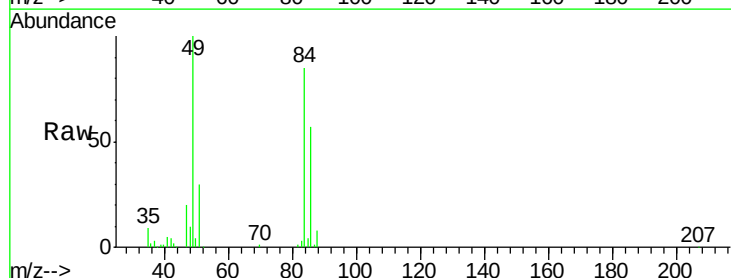
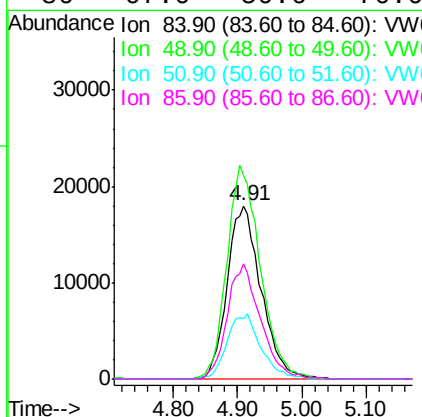
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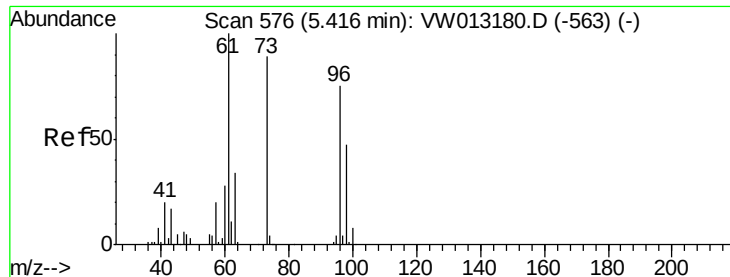
MMDadoda
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#20
Methylene Chloride
Concen: 19.343 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW013269.D
Acq: 24 Sep 2019 12:10

Tgt Ion: 84 Resp: 66021
Ion Ratio Lower Upper
84 100
49 117.9 97.6 146.4
51 34.9 30.2 45.2
86 67.0 50.6 76.0





#21

trans-1,2-Dichloroethene

Concen: 19.612 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.00 min

Lab File: VW013269.D

Acq: 24 Sep 2019 12:10

Instrument :

MSVOA_W

ClientSampleId :

VW0924SBS01

Tot Ion: 96 Resp: 65405

Ion Ratio Lower Upper

96 100

61 127.8 106.6 159.8

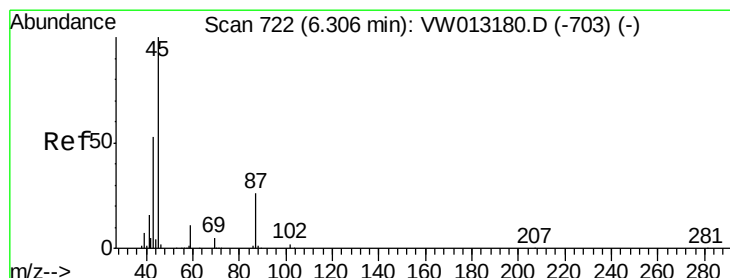
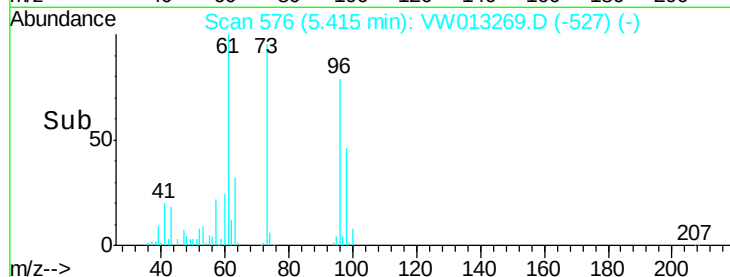
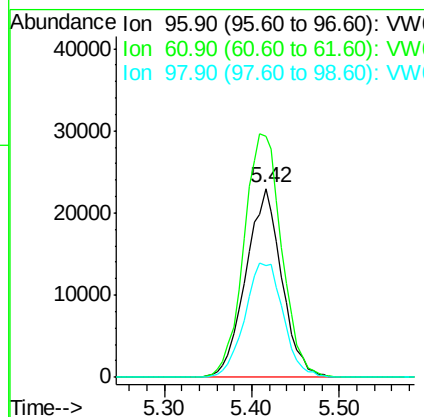
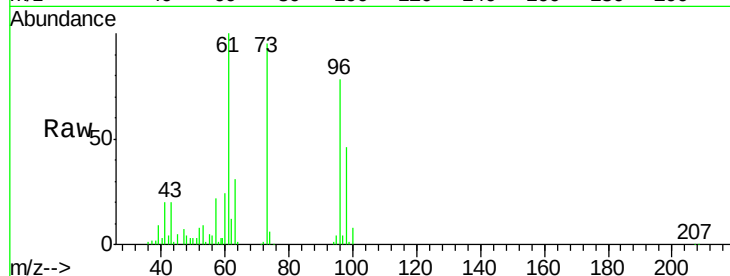
98 59.0 49.8 74.8

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#22

Diisopropyl ether

Concen: 20.210 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.00 min

Lab File: VW013269.D

Acq: 24 Sep 2019 12:10

Tgt Ion: 45 Resp: 188726

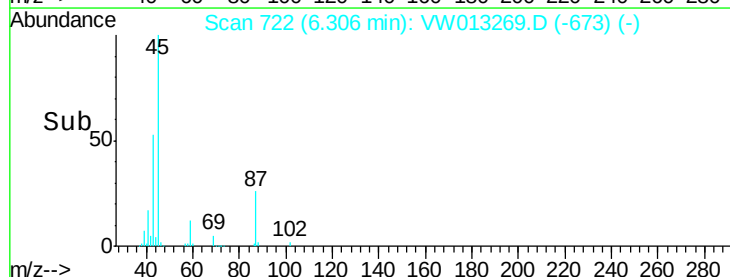
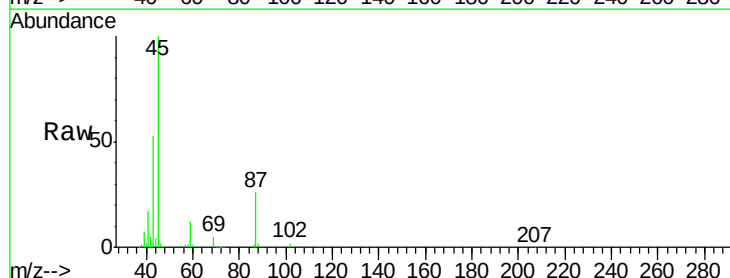
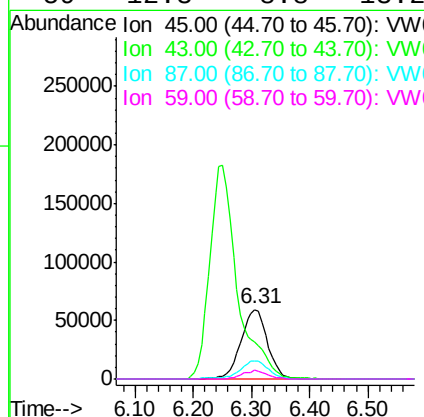
Ion Ratio Lower Upper

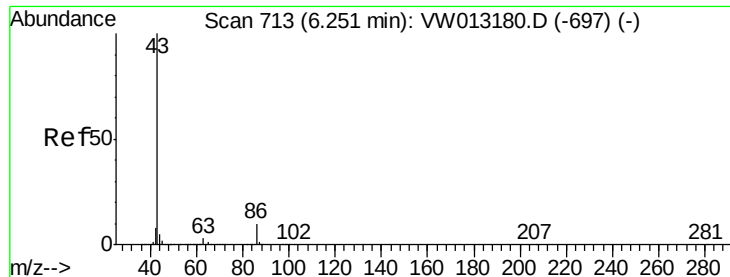
45 100

43 52.2 42.4 63.6

87 26.3 20.4 30.6

59 12.3 8.8 13.2





#23

Vinyl Acetate

Concen: 108.755 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW013269.D

Acq: 24 Sep 2019 12:10

Instrument :

MSVOA_W

ClientSampleId :

VW0924SBS01

Tot Ion: 43 Resp: 602492

Ion Ratio Lower Upper

43 100

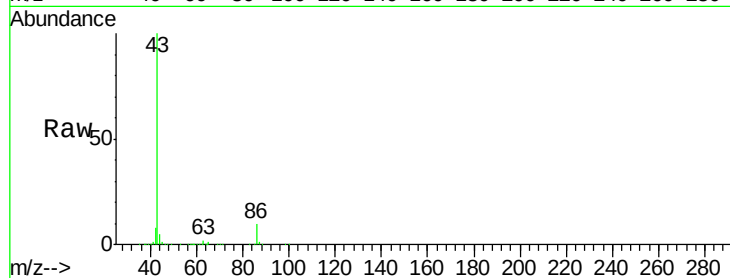
86 9.8 8.3 12.5

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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

6.25

200000

150000

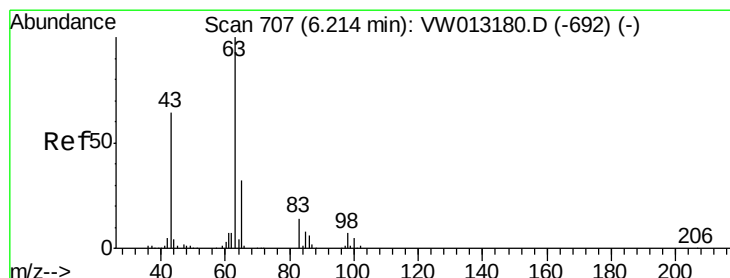
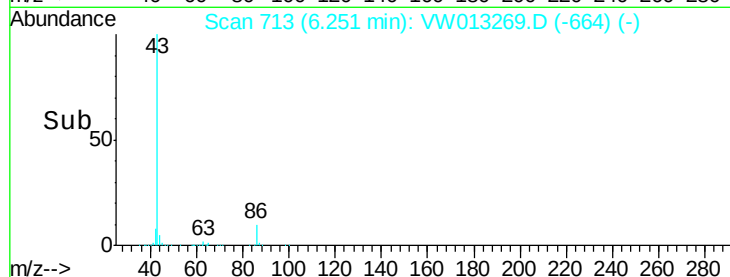
100000

50000

0

6.10 6.20 6.30 6.40 6.50

Time-->



#24

1,1-Dichloroethane

Concen: 19.536 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW013269.D

Acq: 24 Sep 2019 12:10

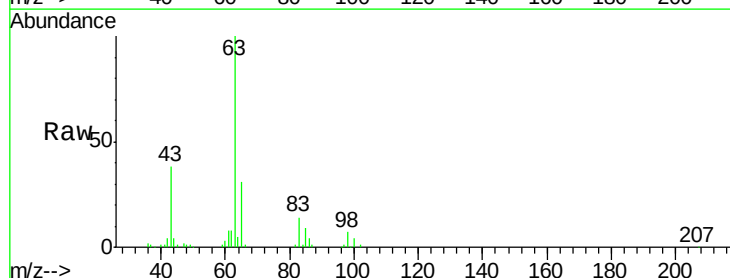
Tgt Ion: 63 Resp: 110084

Ion Ratio Lower Upper

63 100

98 7.2 3.5 10.5

100 4.4 2.4 7.1



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

50000

40000

30000

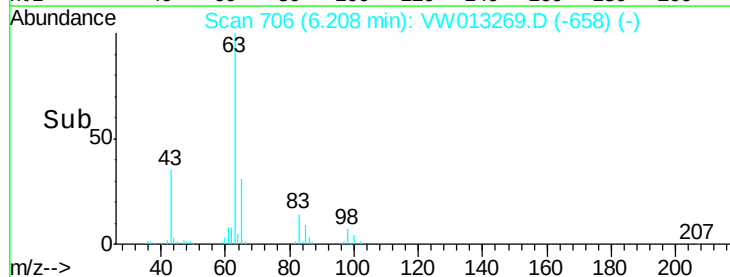
20000

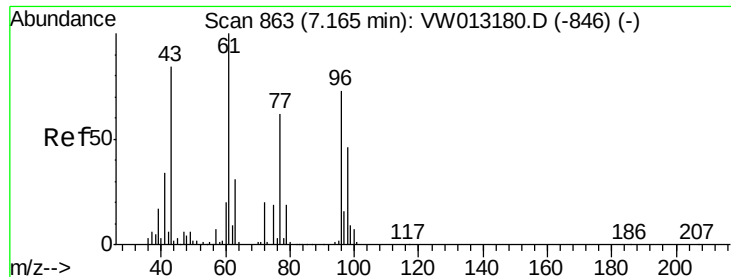
10000

0

6.10 6.20 6.30

Time-->





#25

2-Butanone

Concen: 118.547 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW013269.D

Acq: 24 Sep 2019 12:10

Instrument :

MSVOA_W

ClientSampleId :

VW0924SBS01

Tot Ion: 43 Resp: 108750

Ion Ratio Lower Upper

43 100

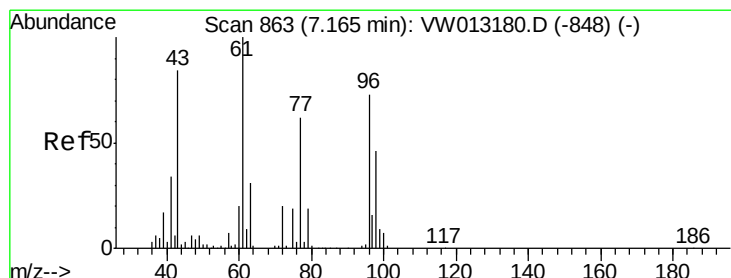
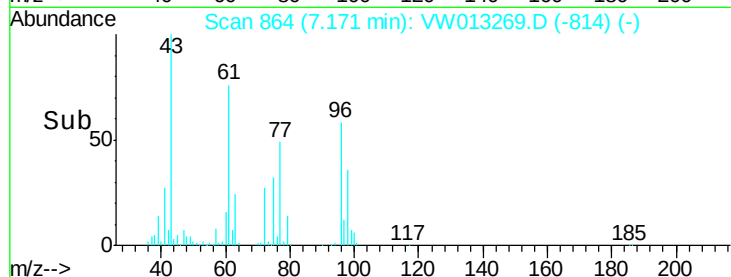
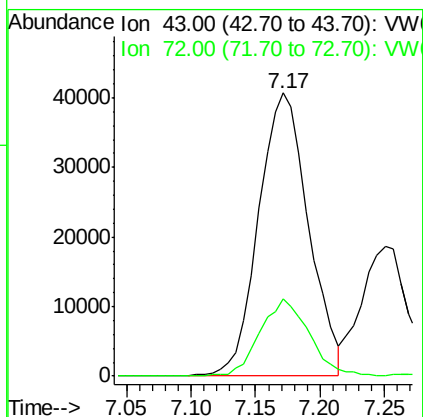
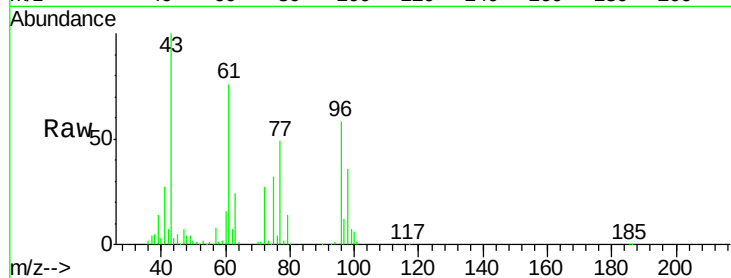
72 27.5 19.4 29.0

Manual Integrations

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MMDadoda

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#26

2,2-Dichloropropane

Concen: 18.667 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW013269.D

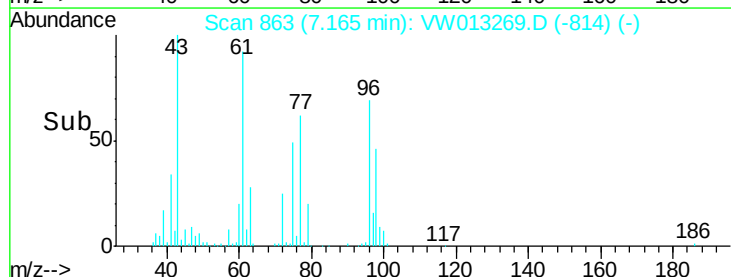
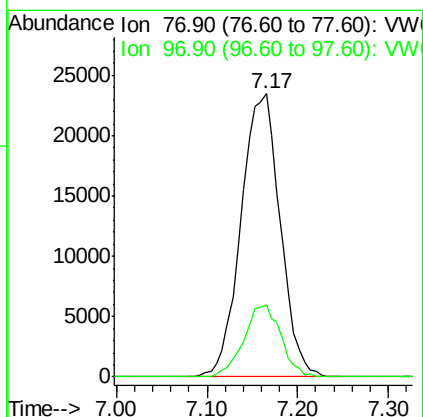
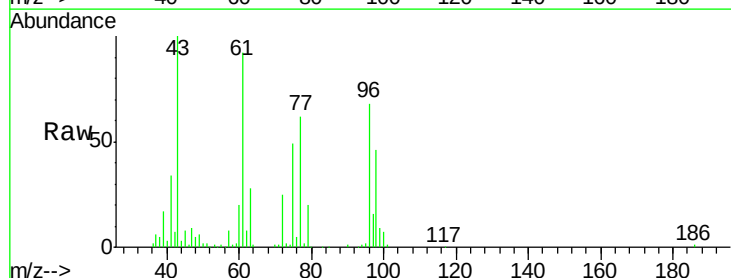
Acq: 24 Sep 2019 12:10

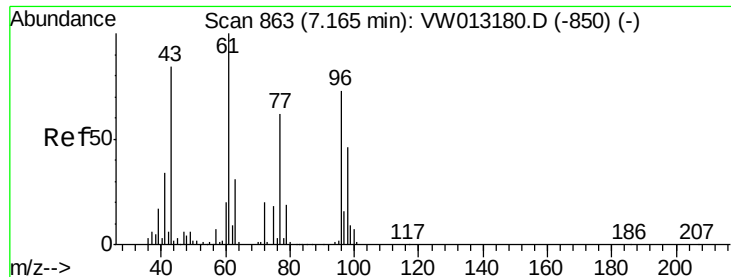
Tgt Ion: 77 Resp: 69977

Ion Ratio Lower Upper

77 100

97 24.1 11.8 35.4





#27

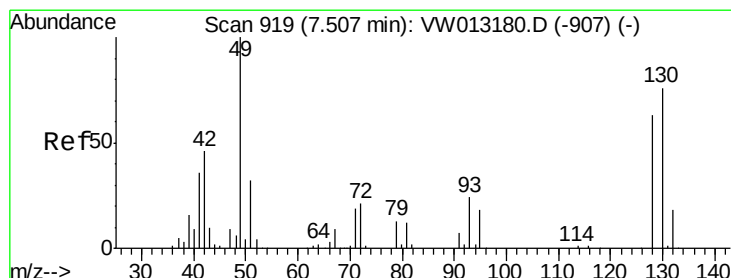
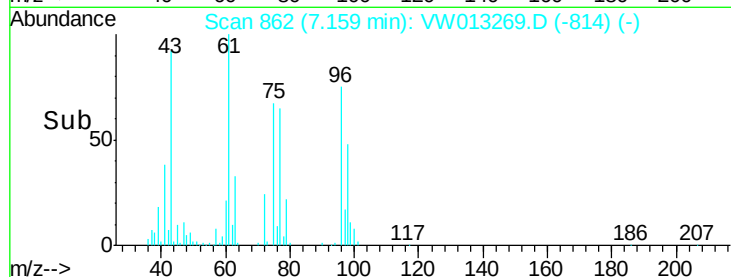
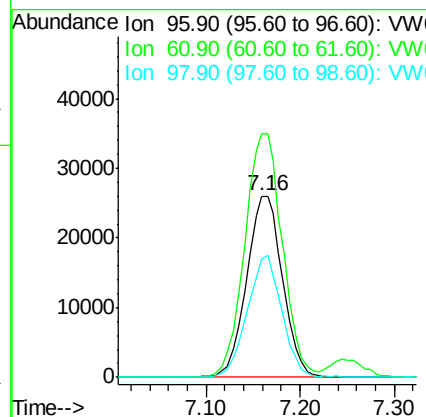
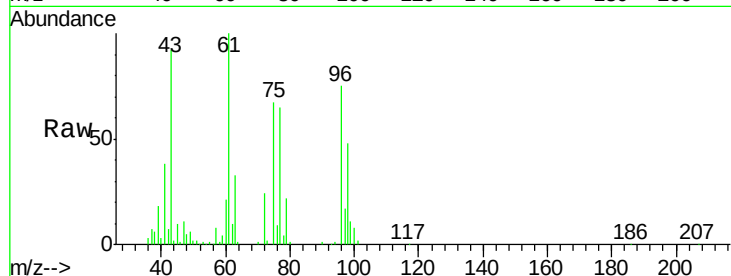
cis-1,2-Dichloroethene
Concen: 19.712 ug/l
RT: 7.16 min Scan# 862
Delta R.T. -0.01 min
Lab File: VW013269.D
Acq: 24 Sep 2019 12:10

Instrument :
MSVOA_W
ClientSampleId :
VW0924SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	141.0	0.0	282.4
98	64.7	0.0	128.2

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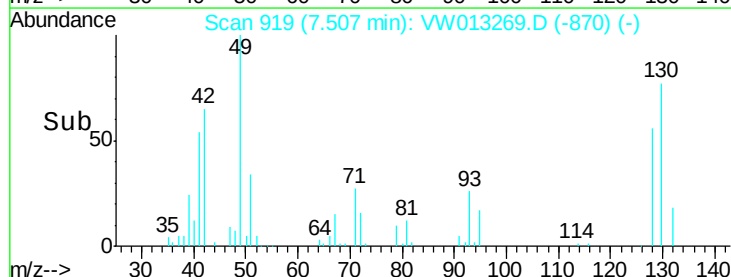
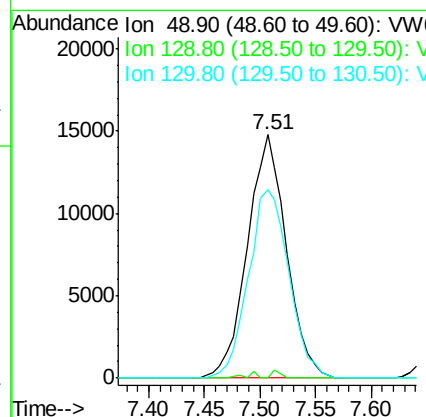
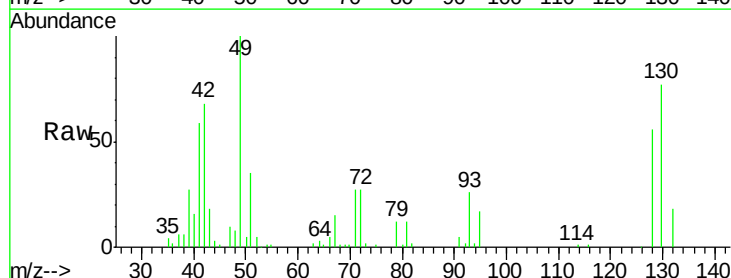
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9/26/2019 12:37:35 AM

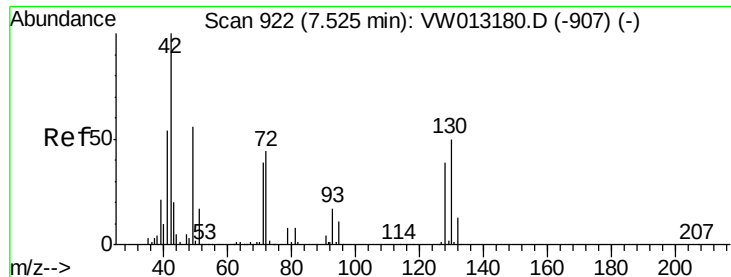


#28

Bromochloromethane
Concen: 16.619 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.00 min
Lab File: VW013269.D
Acq: 24 Sep 2019 12:10

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.7	0.0	1.0
130	80.5	63.4	95.2





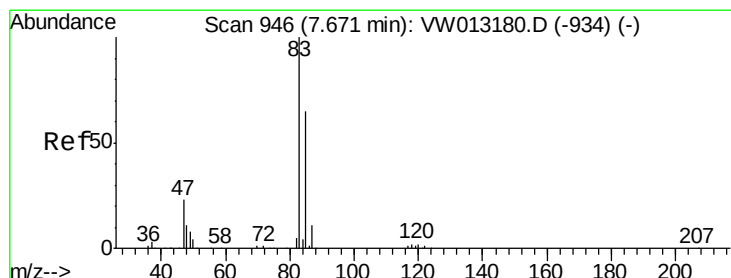
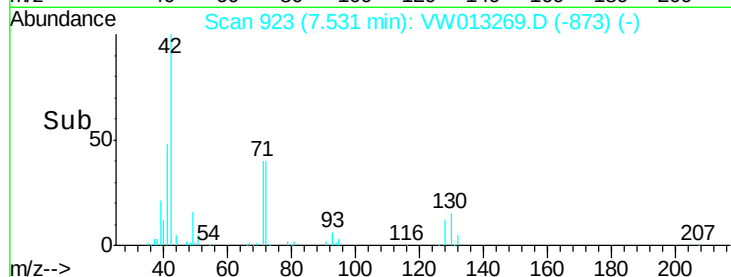
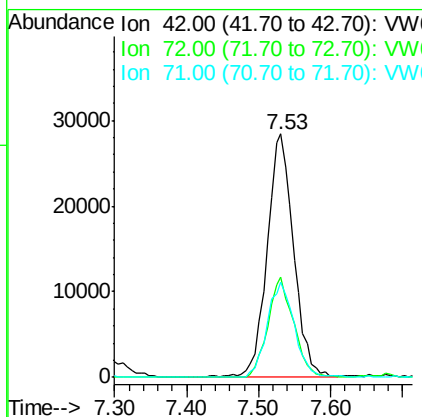
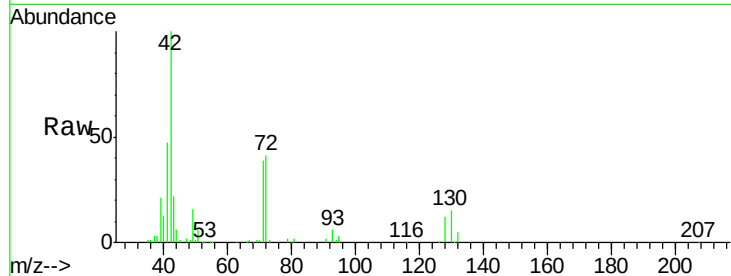
#29
Tetrahydrofuran
Concen: 129.221 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.01 min
Lab File: VW013269.D
Acq: 24 Sep 2019 12:10

Instrument :
MSVOA_W
ClientSampleId :
VW0924SBS01

Tot Ion:	42	Resp:	72698
Ion	Ratio	Lower	Upper
42	100		
72	40.0	33.9	50.9
71	39.5	31.9	47.9

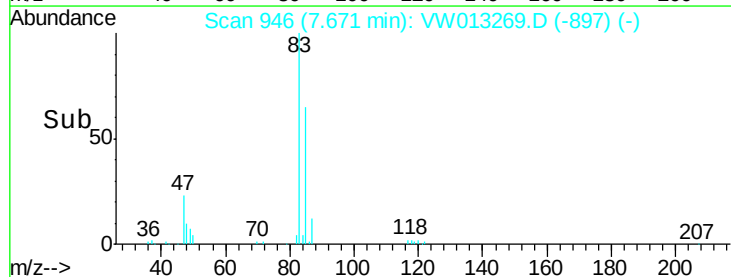
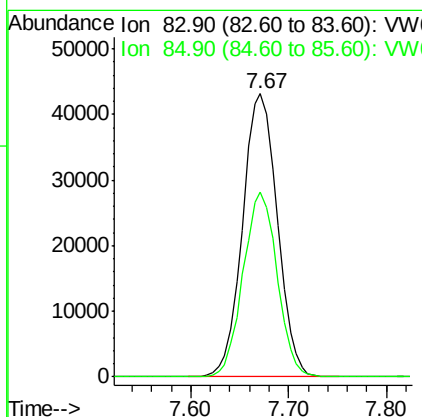
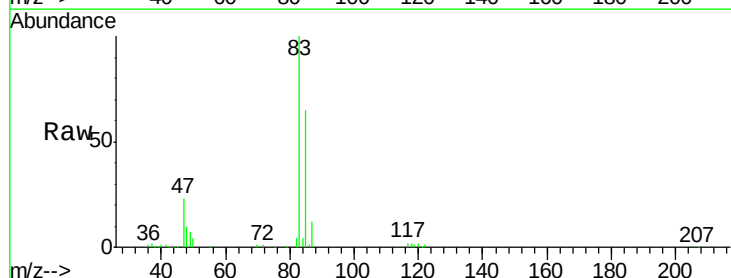
Manual Integrations
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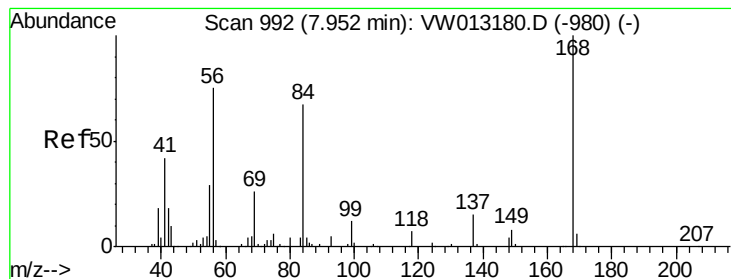
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#30
Chloroform
Concen: 19.280 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW013269.D
Acq: 24 Sep 2019 12:10

Tgt Ion:	83	Resp:	106365
Ion	Ratio	Lower	Upper
83	100		
85	65.5	52.3	78.5





#31

Cyclohexane

Concen: 19.968 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW013269.D

Acq: 24 Sep 2019 12:10

Instrument :

MSVOA_W

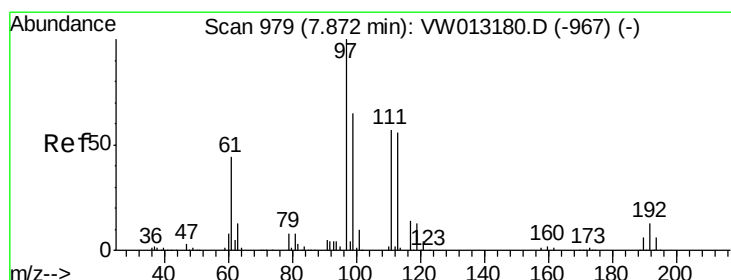
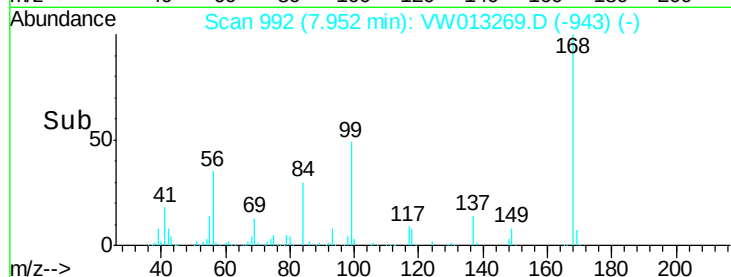
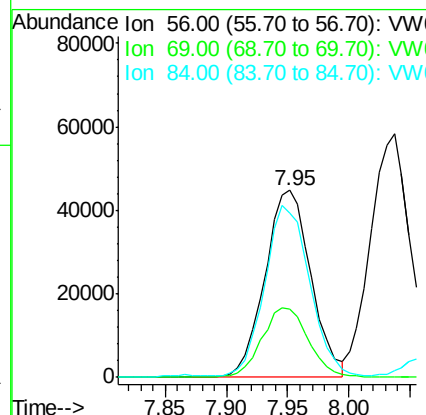
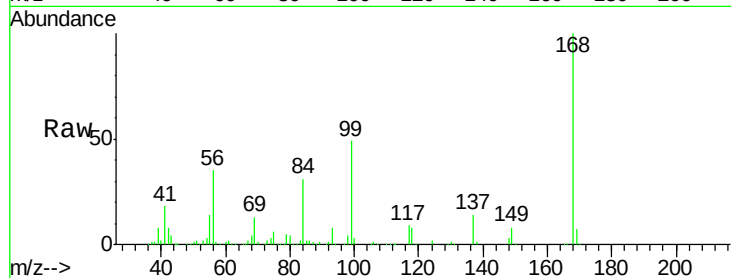
ClientSampleId :

VW0924SBS01

Tot Ion:	56	Resp:	117290
Ion Ratio		Lower	Upper
56	100		
69	36.2	27.2	40.8
84	87.1	70.8	106.2

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 19.716 ug/l

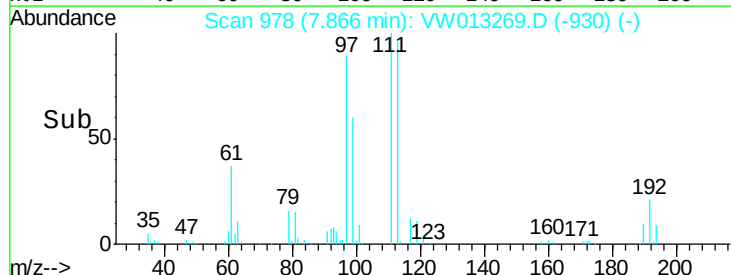
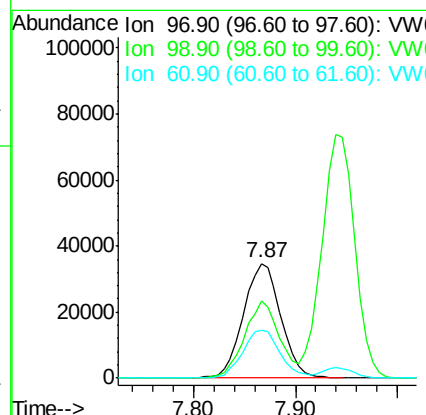
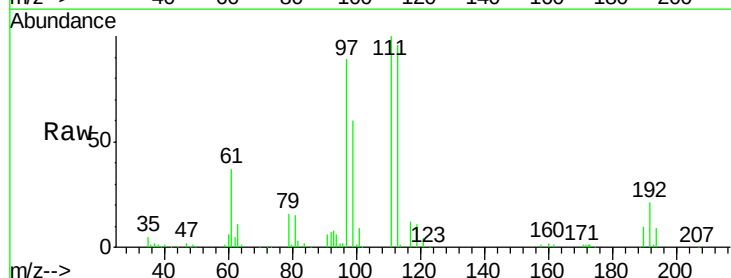
RT: 7.87 min Scan# 978

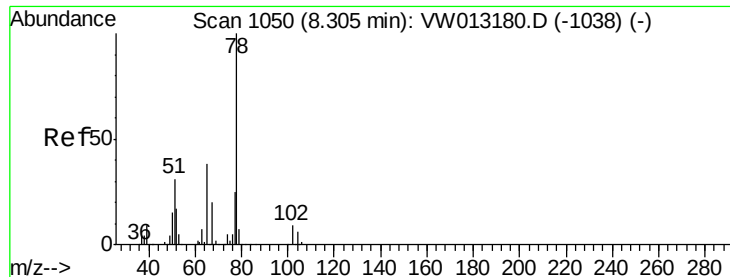
Delta R.T. -0.01 min

Lab File: VW013269.D

Acq: 24 Sep 2019 12:10

Tgt Ion:	97	Resp:	88094
Ion Ratio		Lower	Upper
97	100		
99	63.7	51.7	77.5
61	42.1	34.6	51.8





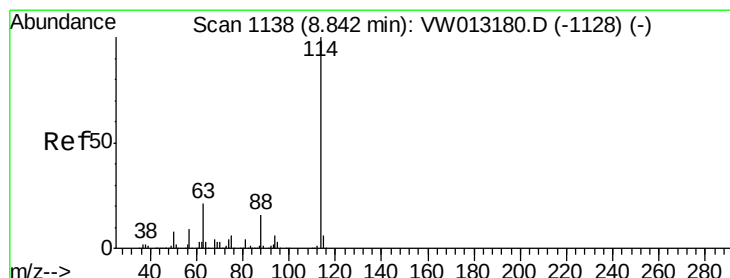
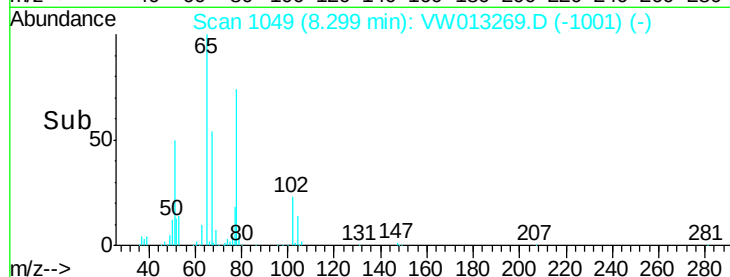
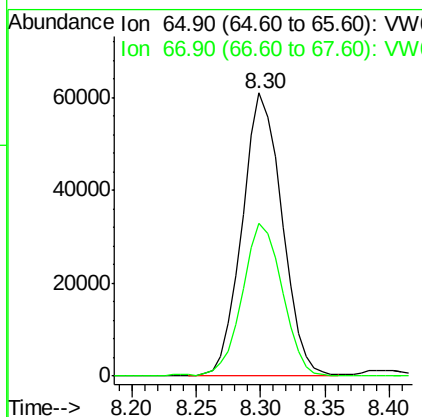
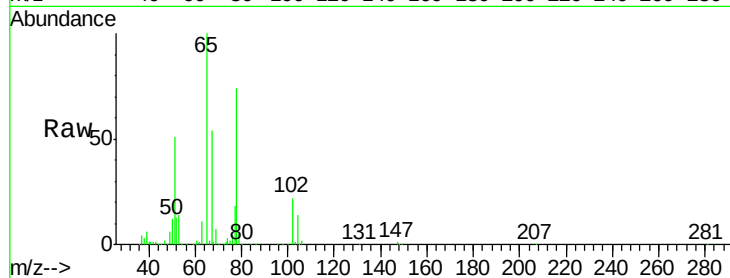
#33
 1,2-Dichloroethane-d4
 Concen: 48.404 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW013269.D
 Acq: 24 Sep 2019 12:10

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0924SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	54.5	0.0	106.2	

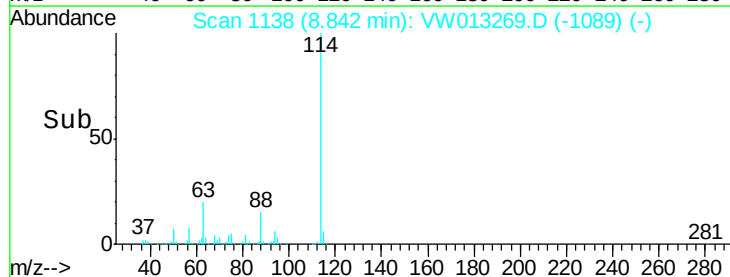
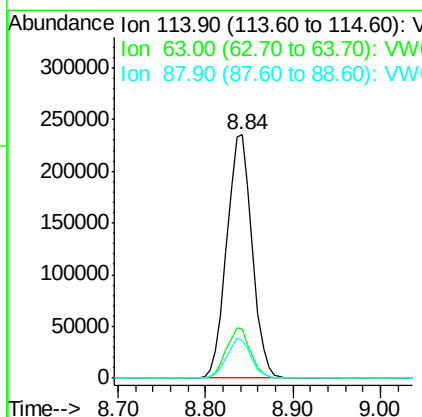
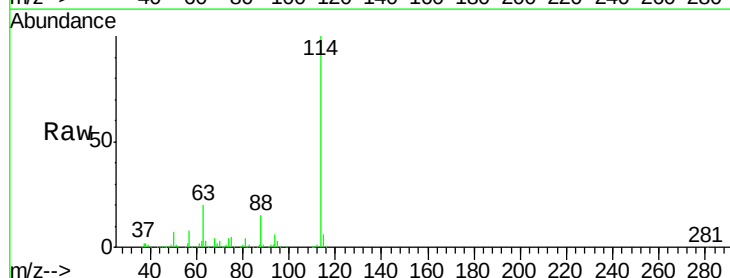
Manual Integrations
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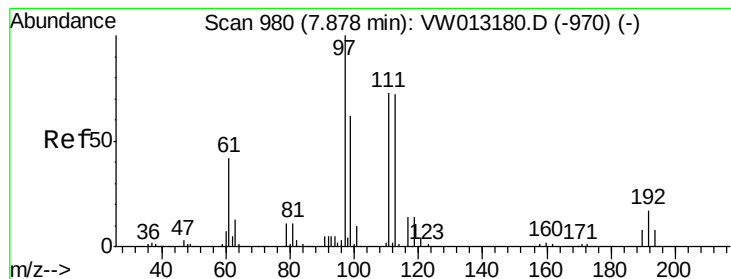
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW013269.D
 Acq: 24 Sep 2019 12:10

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	20.0	0.0	41.4	
88	15.4	0.0	32.0	





#35

Dibromofluoromethane

Concen: 48.571 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.00 min

Lab File: VW013269.D

Acq: 24 Sep 2019 12:10

Instrument :

MSVOA_W

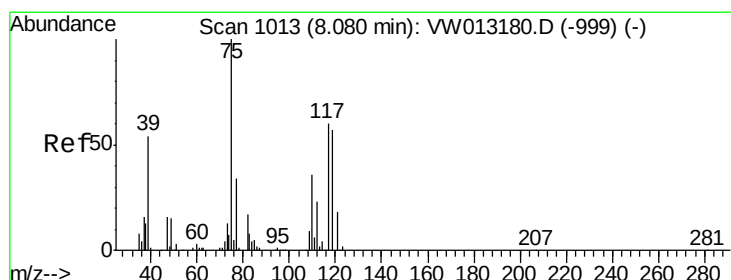
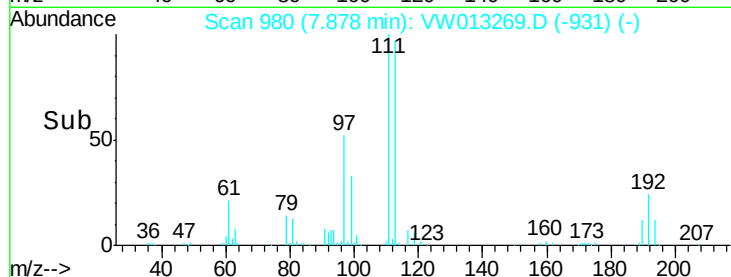
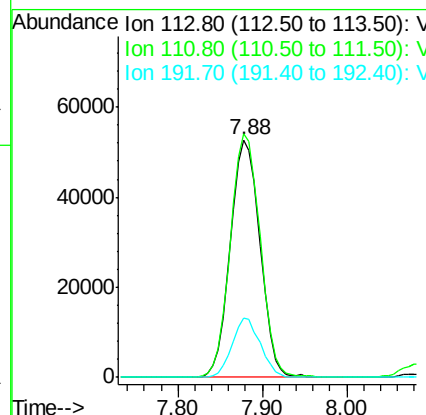
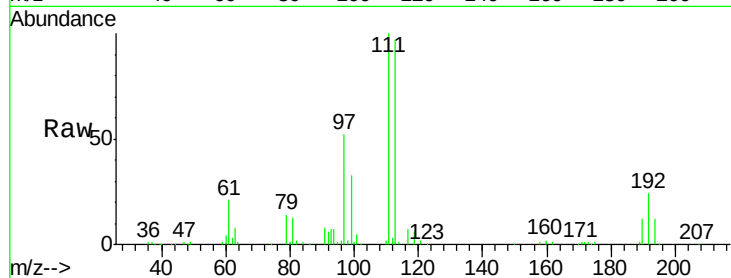
ClientSampleId :

VW0924SBS01

Tot Ion:	113	Resp:	126350
Ion Ratio	Lower	Upper	
113	100		
111	103.2	81.9	122.9
192	23.8	19.1	28.7

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 20.188 ug/l

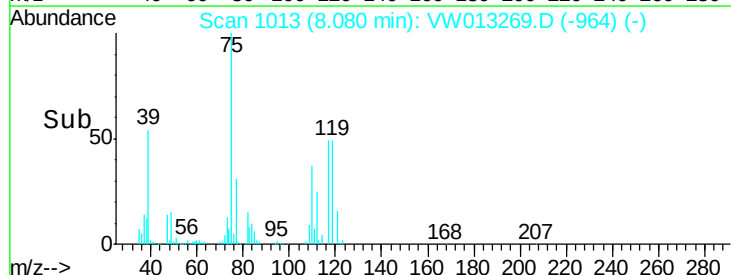
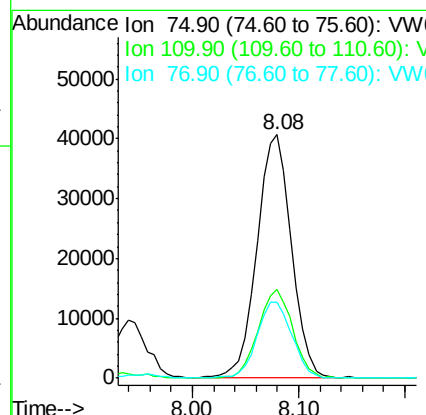
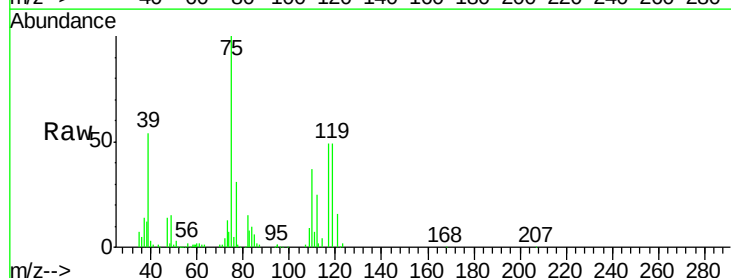
RT: 8.08 min Scan# 1013

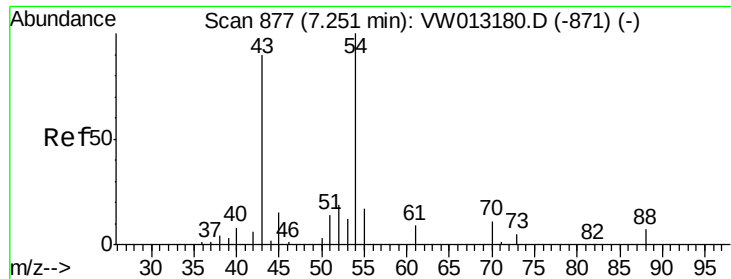
Delta R.T. -0.00 min

Lab File: VW013269.D

Acq: 24 Sep 2019 12:10

Tgt Ion:	75	Resp:	92481
Ion Ratio	Lower	Upper	
75	100		
110	36.2	18.1	54.3
77	31.8	25.8	38.6





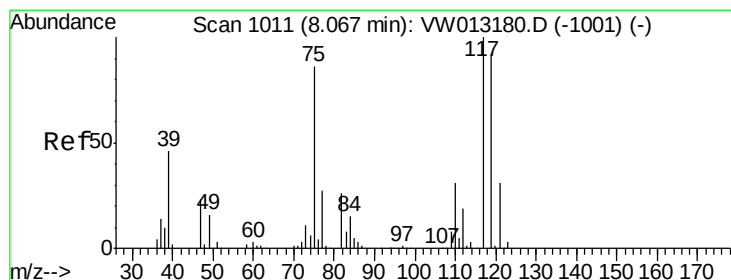
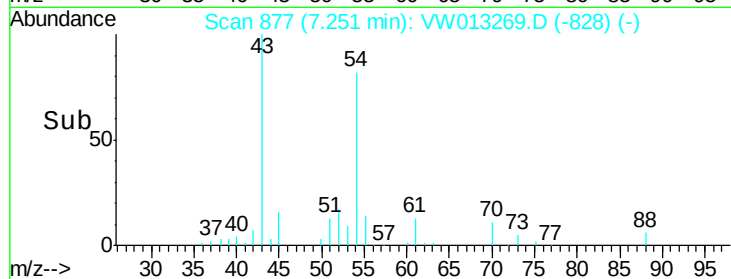
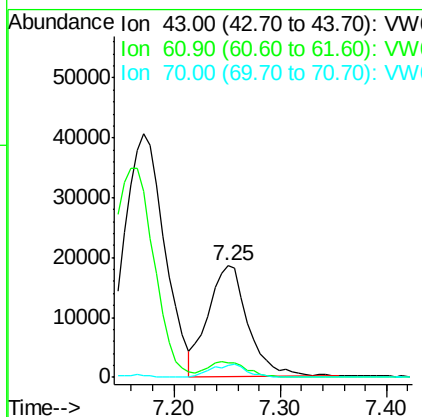
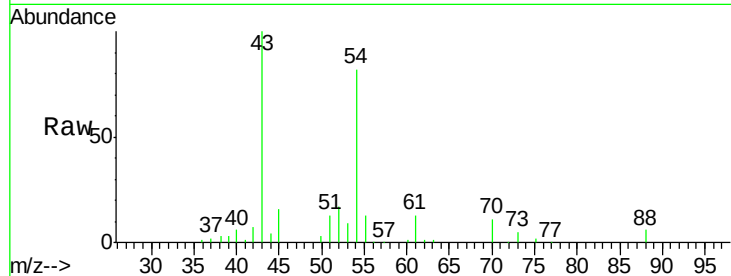
#37
Ethyl Acetate
Concen: 24.689 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW013269.D
Acq: 24 Sep 2019 12:10

Instrument :
MSVOA_W
ClientSampleId :
VW0924SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.7	10.9	16.3
70	10.8	8.2	12.2

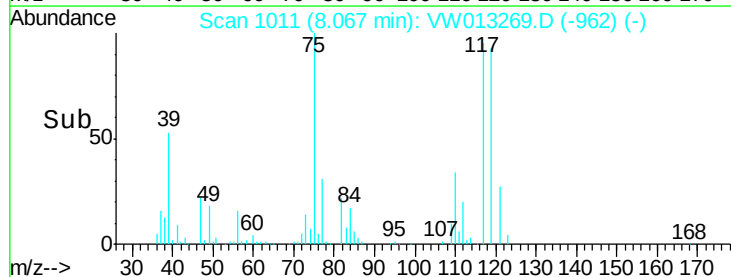
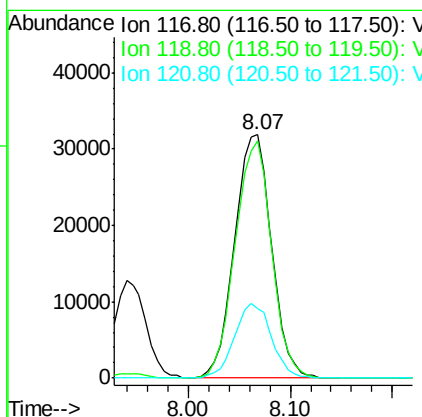
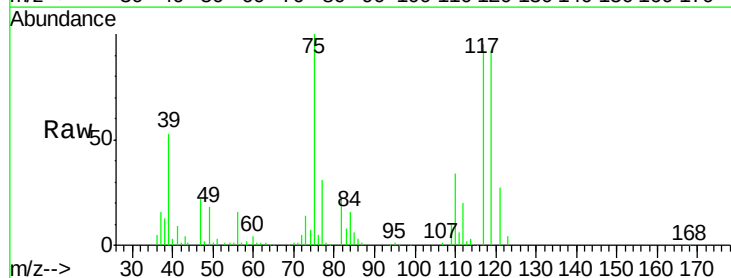
Manual Integrations
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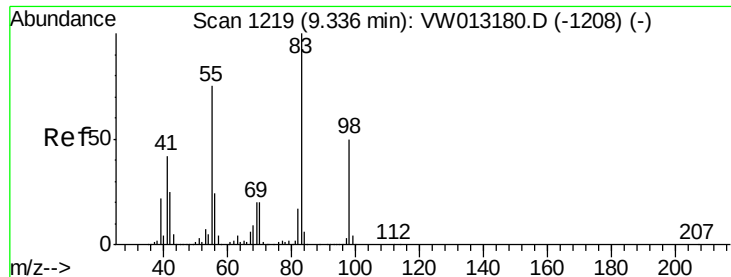
MMDadoda
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#38
Carbon Tetrachloride
Concen: 19.519 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW013269.D
Acq: 24 Sep 2019 12:10

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.4	73.5	110.3
121	28.8	25.0	37.6





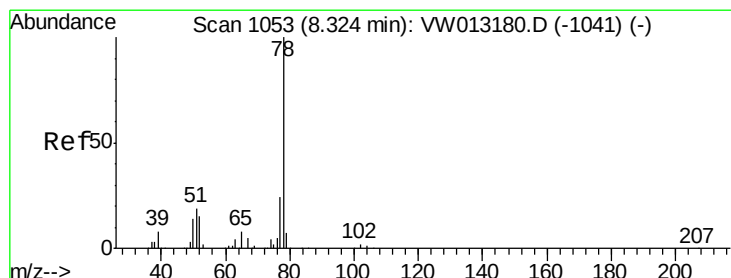
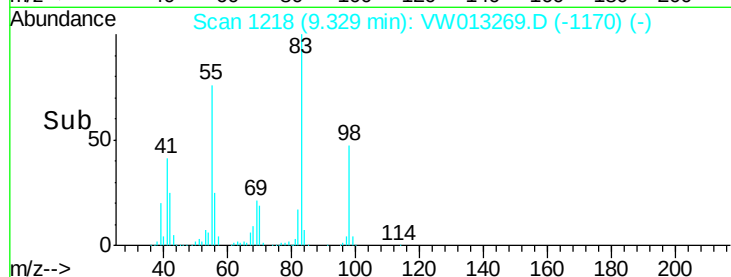
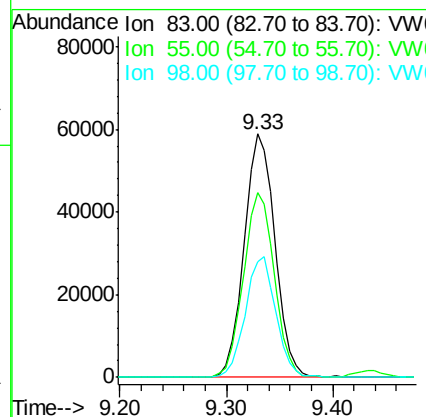
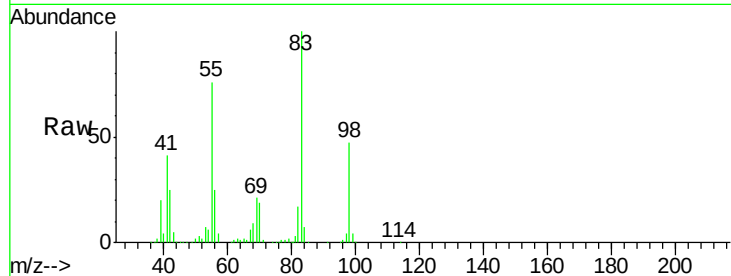
#39
Methylvlcyclohexane
Concen: 20.384 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW013269.D
Acq: 24 Sep 2019 12:10

Instrument :
MSVOA_W
ClientSampleId :
VW0924SBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	120004		
55	75.7		60.4	90.6
98	47.3		40.0	60.0

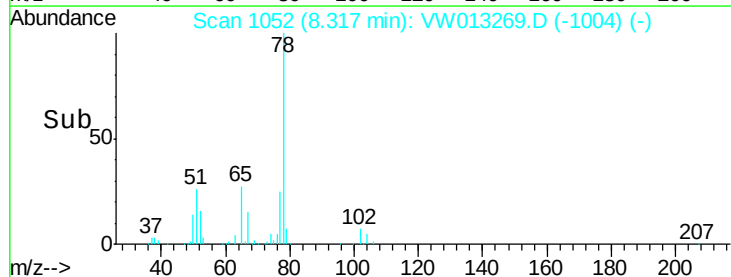
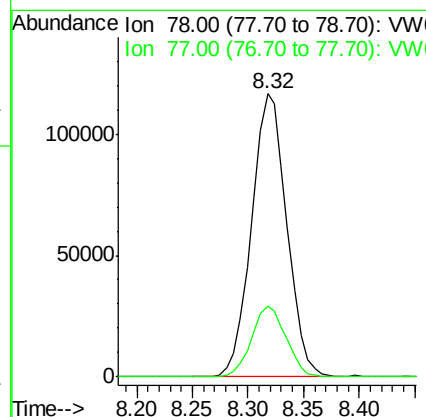
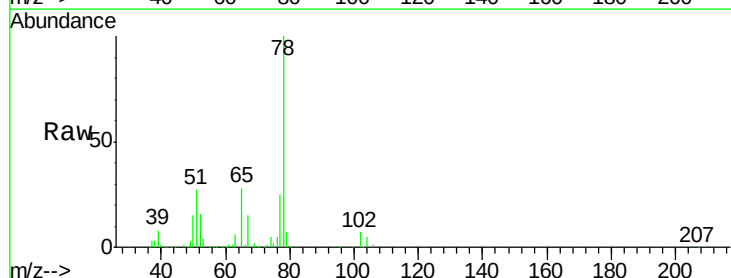
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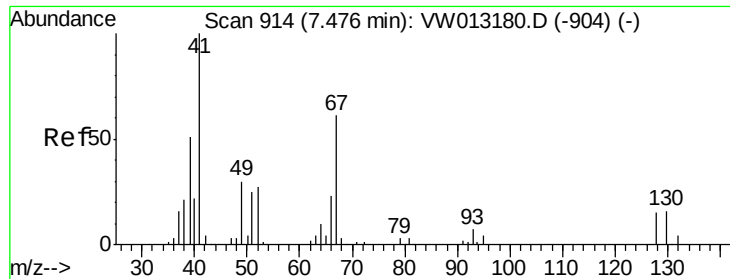
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#40
Benzene
Concen: 20.092 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW013269.D
Acq: 24 Sep 2019 12:10

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	256734		
77	24.9		19.1	28.7





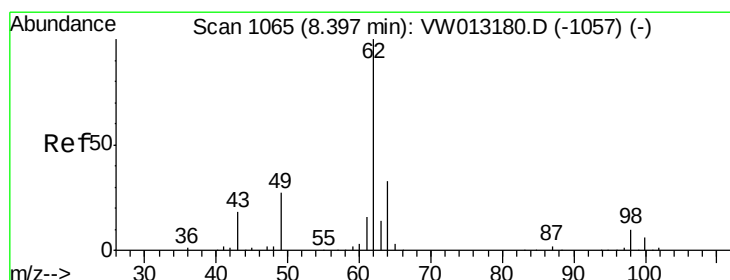
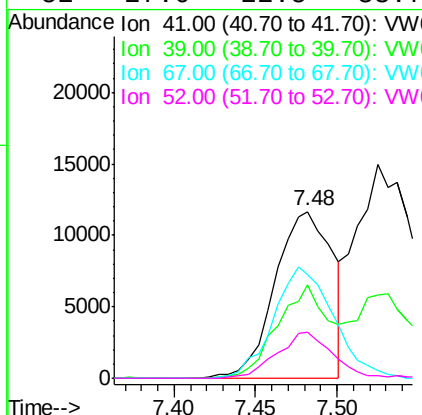
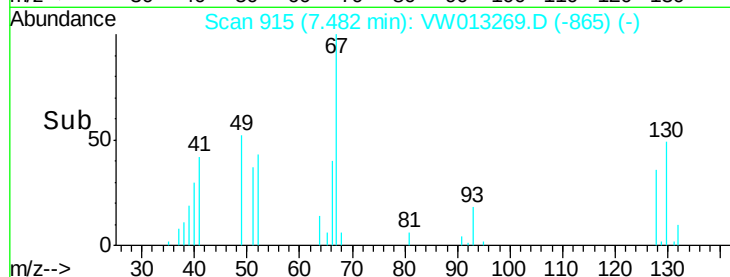
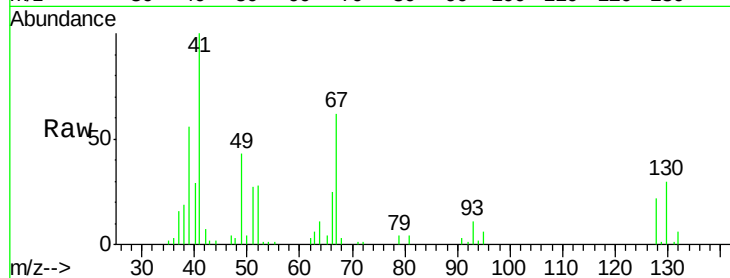
#41
Methacrylonitrile
Concen: 24.552 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.01 min
Lab File: VW013269.D
Acq: 24 Sep 2019 12:10

Instrument :
MSVOA_W
ClientSampleId :
VW0924SBS01

Tot Ion	41	Resp	28529
Ion Ratio	Lower	Upper	
41	100		
39	50.2	45.9	68.9
67	70.4	54.5	81.7
52	27.0	22.5	33.7

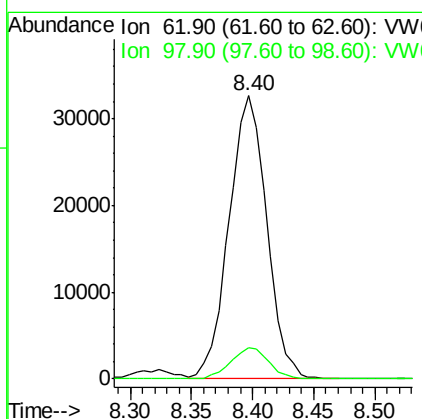
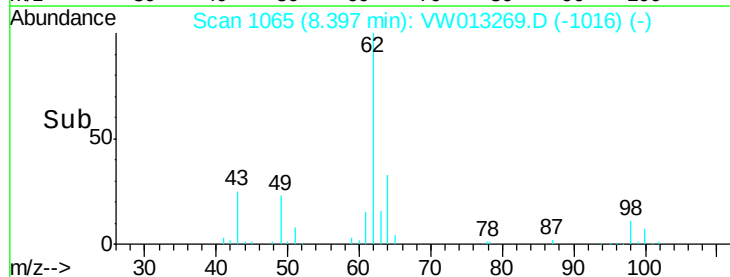
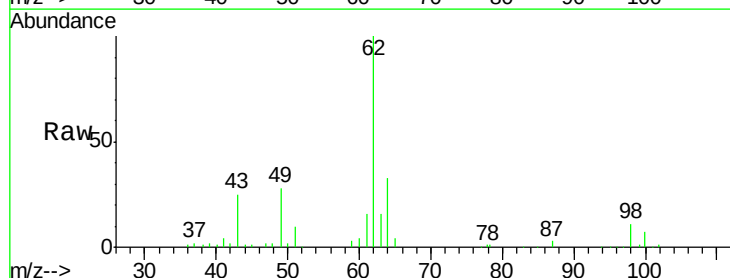
Manual Integrations
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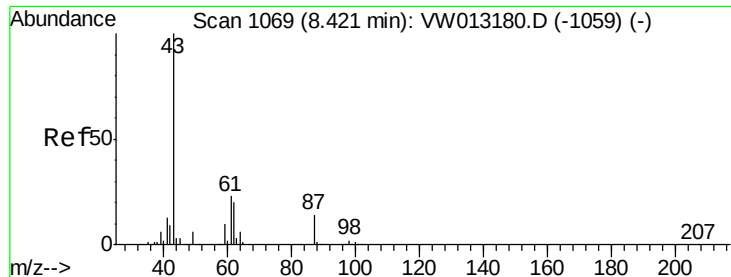
MMDadoda
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#42
1,2-Dichloroethane
Concen: 20.308 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW013269.D
Acq: 24 Sep 2019 12:10

Tgt Ion	62	Resp	69755
Ion Ratio	Lower	Upper	
62	100		
98	10.9	0.0	20.6





#43

Isopropyl Acetate

Concen: 23.288 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW013269.D

Acq: 24 Sep 2019 12:10

Instrument :

MSVOA_W

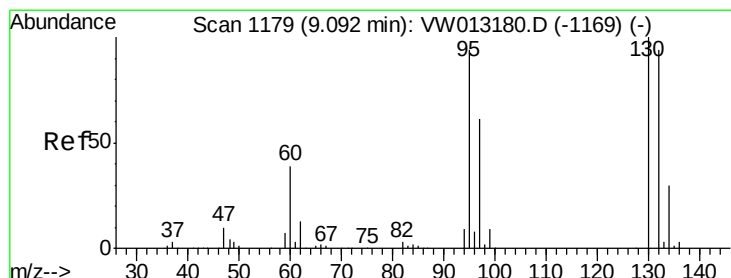
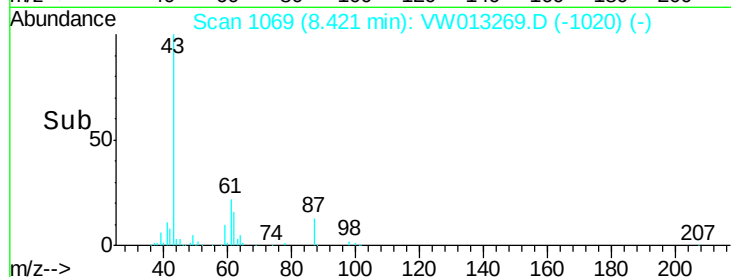
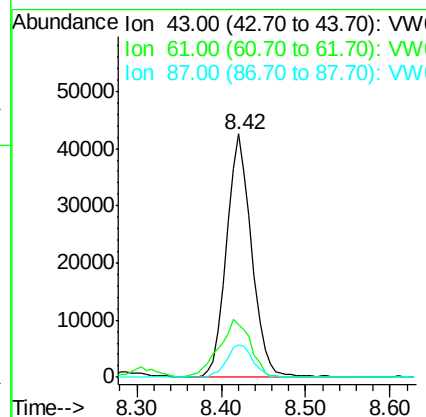
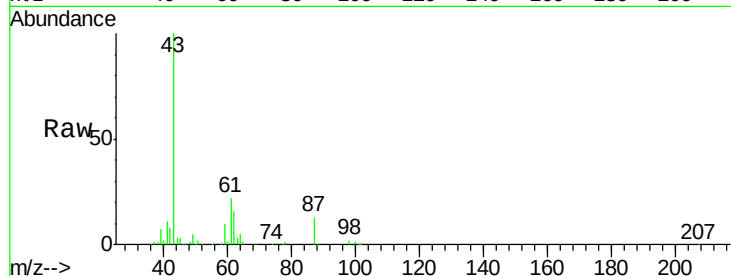
ClientSampleId :

VW0924SBS01

Tot Ion:	43	Resp:	86900
Ion	Ratio	Lower	Upper
43	100		
61	30.3	25.5	38.3
87	13.9	11.0	16.4

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#44

Trichloroethene

Concen: 19.412 ug/l

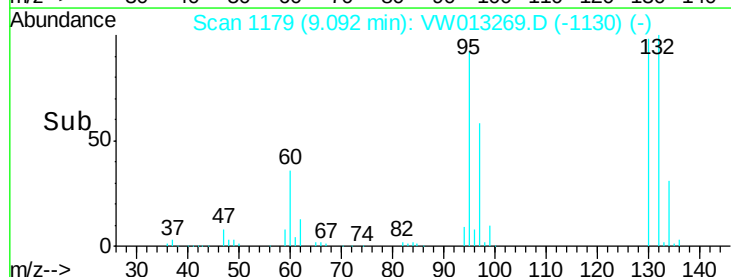
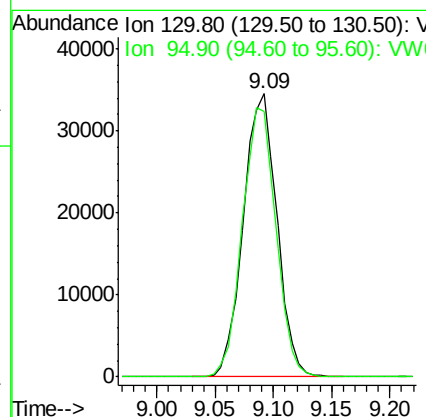
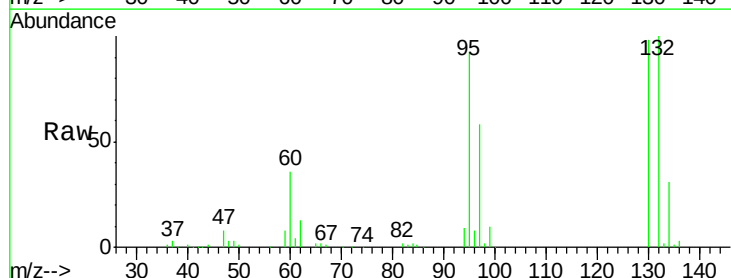
RT: 9.09 min Scan# 1179

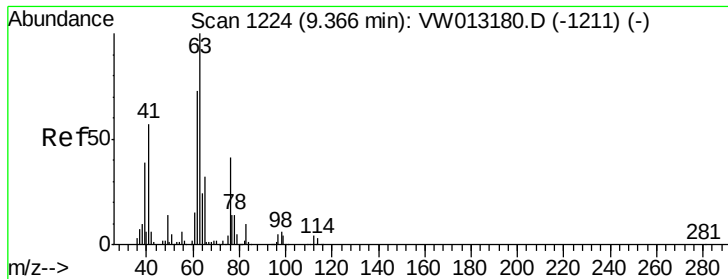
Delta R.T. -0.00 min

Lab File: VW013269.D

Acq: 24 Sep 2019 12:10

Tgt Ion:	130	Resp:	69595
Ion	Ratio	Lower	Upper
130	100		
95	93.9	0.0	188.0





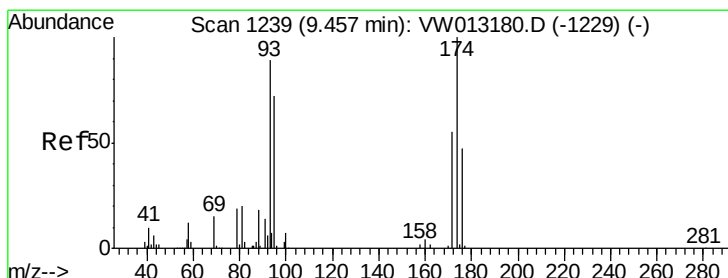
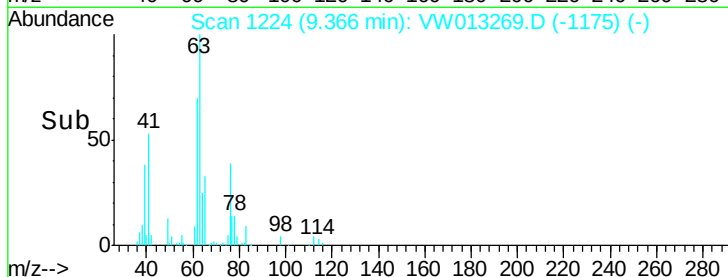
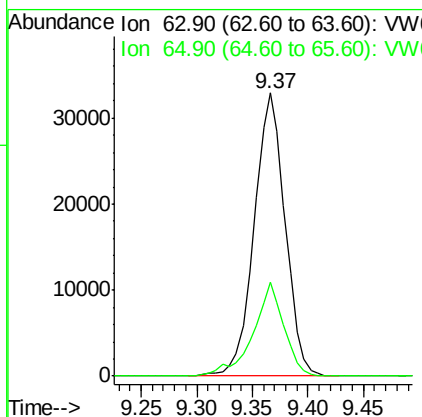
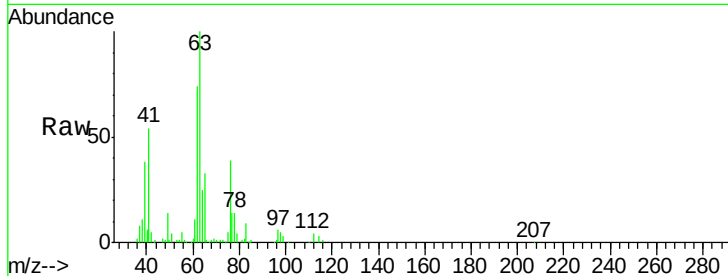
#45
 1,2-Dichloropropane
 Concen: 20.422 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW013269.D
 Acq: 24 Sep 2019 12:10

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0924SBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	33.3	25.3	37.9

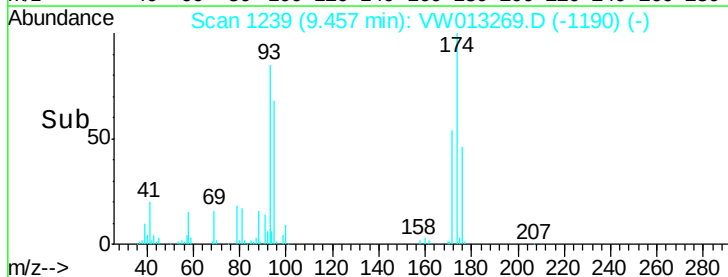
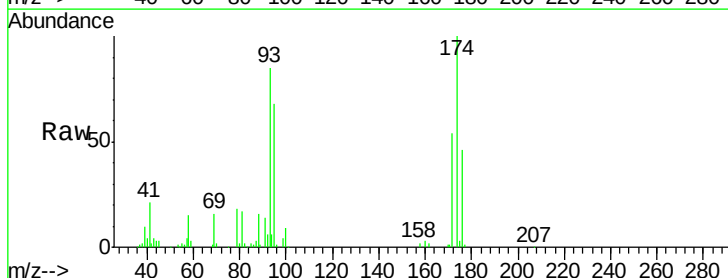
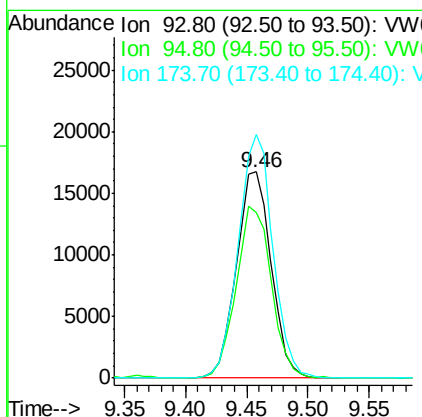
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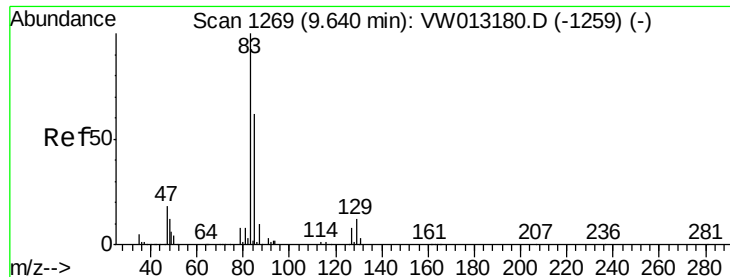
MMDadoda
 9/26/2019 12:37:35 AM



#46
 Dibromomethane
 Concen: 21.833 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW013269.D
 Acq: 24 Sep 2019 12:10

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.1	66.4	99.6
174	117.7	93.0	139.6





#47

Bromodichloromethane

Concen: 19.224 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VW013269.D

Acq: 24 Sep 2019 12:10

Instrument :

MSVOA_W

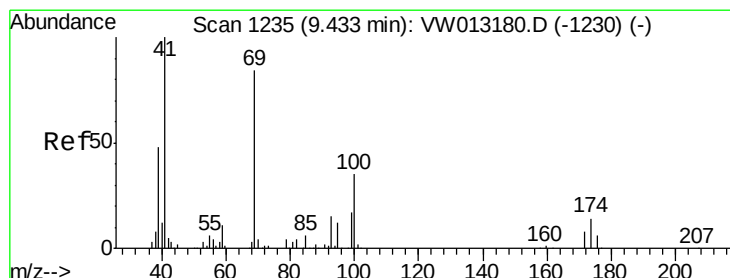
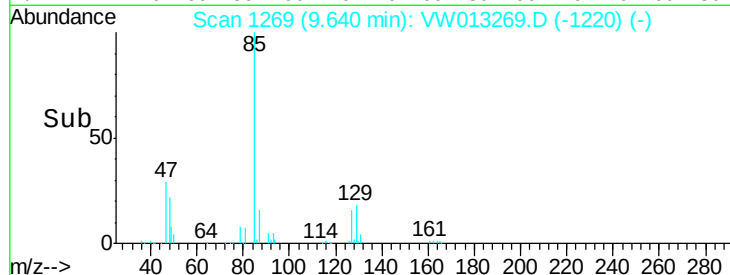
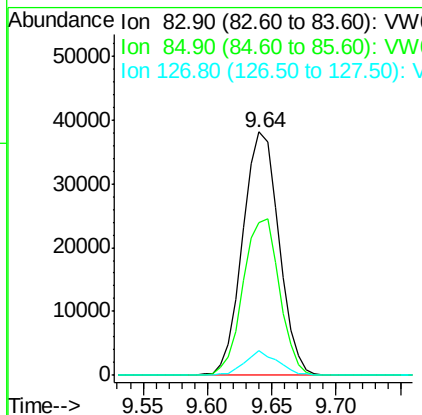
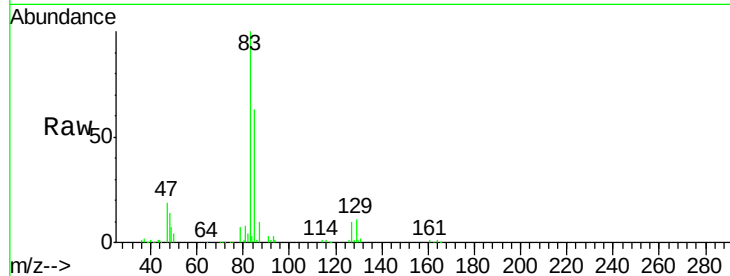
ClientSampleId :

VW0924SBS01

Tot Ion:	83	Resp:	74087
Ion	Ratio	Lower	Upper
83	100		
85	62.9	49.4	74.2
127	10.2	6.5	9.7#

Manual Integrations
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#48

Methyl methacrylate

Concen: 25.228 ug/l

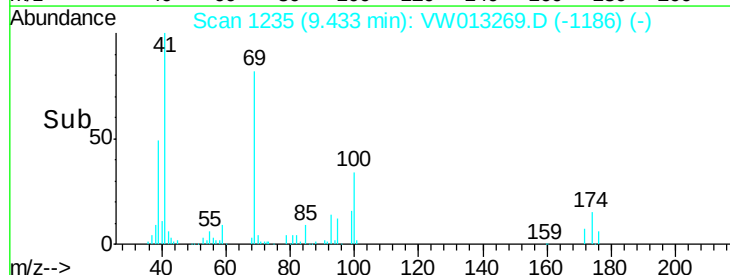
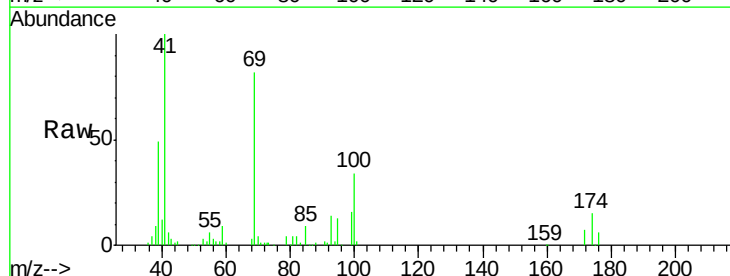
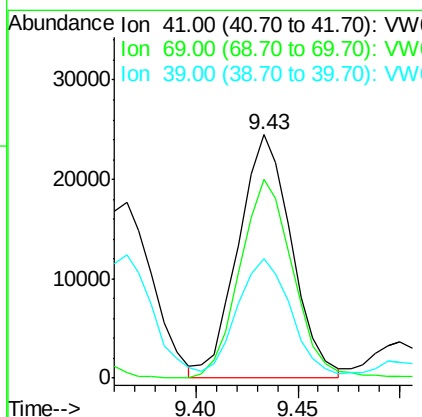
RT: 9.43 min Scan# 1235

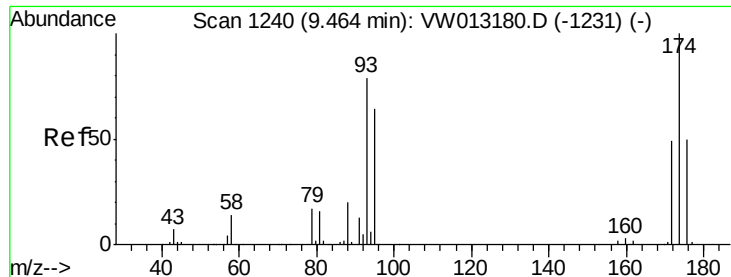
Delta R.T. -0.00 min

Lab File: VW013269.D

Acq: 24 Sep 2019 12:10

Tgt Ion:	41	Resp:	44265
Ion	Ratio	Lower	Upper
41	100		
69	81.8	69.7	104.5
39	46.2	41.1	61.7





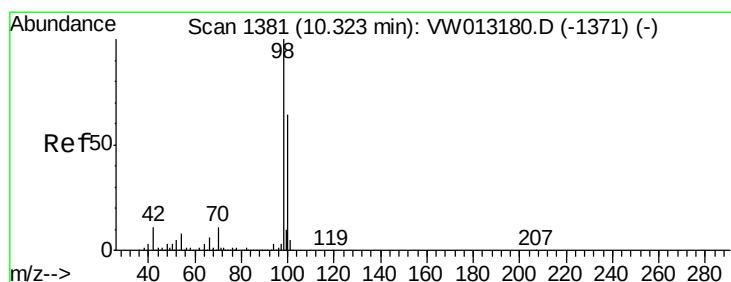
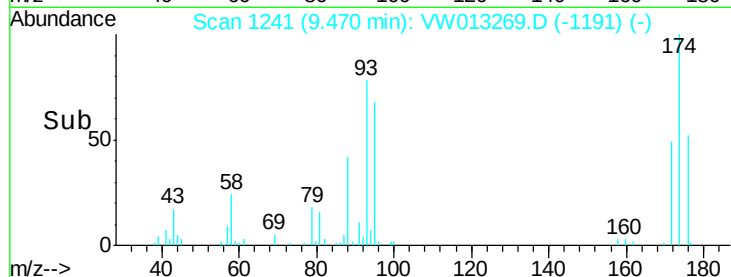
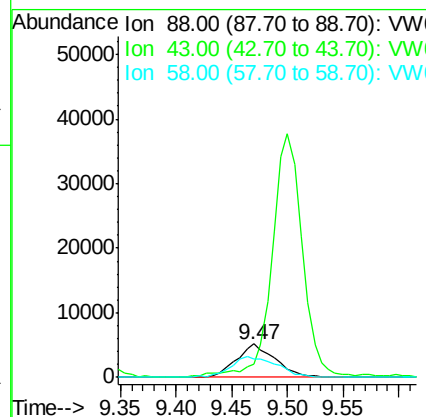
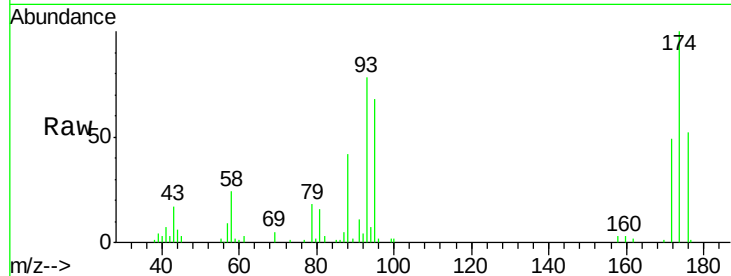
#49
 1,4-Dioxane
 Concen: 546.789 ug/l
 RT: 9.47 min Scan# 1241
 Delta R.T. 0.01 min
 Lab File: VW013269.D
 Acq: 24 Sep 2019 12:10

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0924SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	0.0	0.0	0.0
58	74.8	65.4	98.0

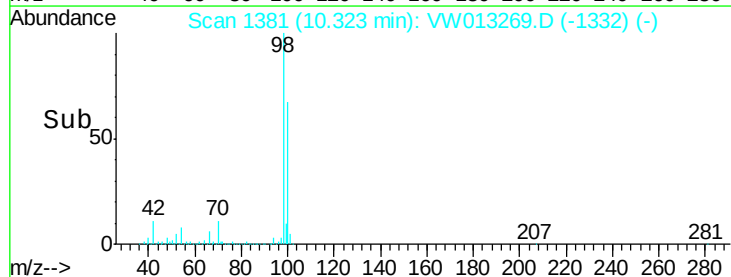
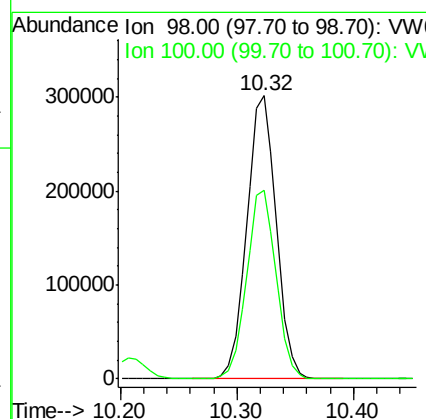
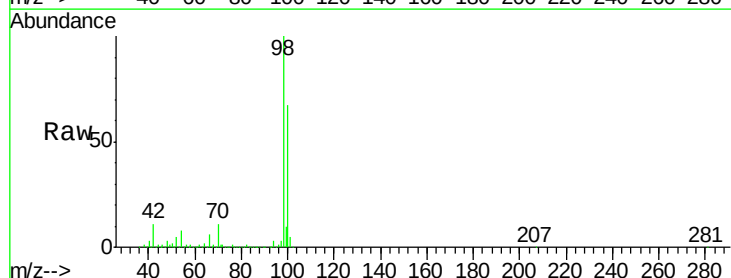
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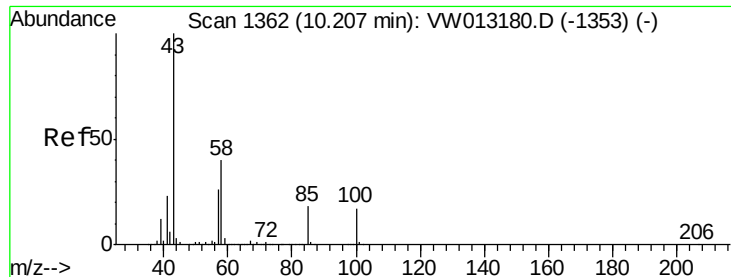
MMDadoda
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#50
 Toluene-d8
 Concen: 48.779 ug/l
 RT: 10.32 min Scan# 1381
 Delta R.T. -0.00 min
 Lab File: VW013269.D
 Acq: 24 Sep 2019 12:10

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.7	52.9	79.3





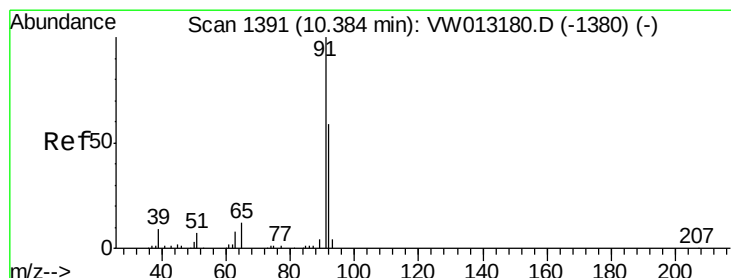
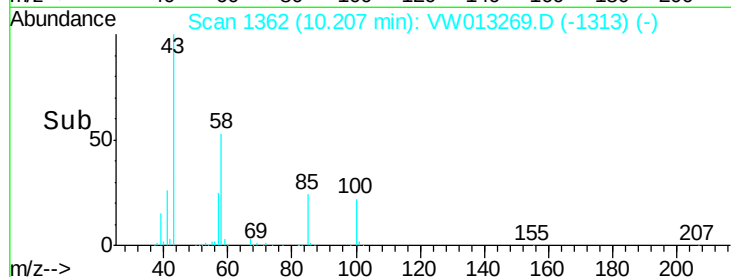
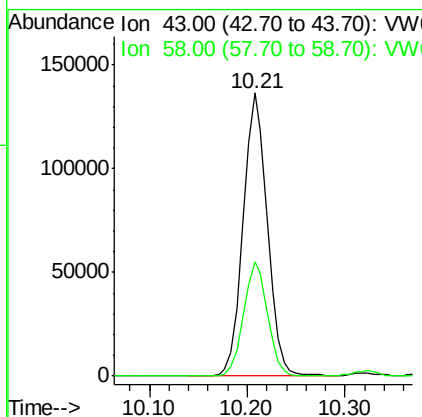
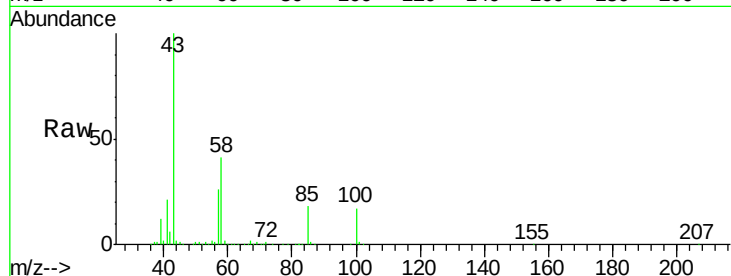
#51
 4-Methyl-2-Pentanone
 Concen: 124.533 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. -0.00 min
 Lab File: VW013269.D
 Acq: 24 Sep 2019 12:10

Instrument :
 MSVOA_W
 ClientSampled :
 VW0924SBS01

Tot Ion	43	Resp	232961
Ion Ratio	43	100	
Lower	58	40.3	31.7
Upper			47.5

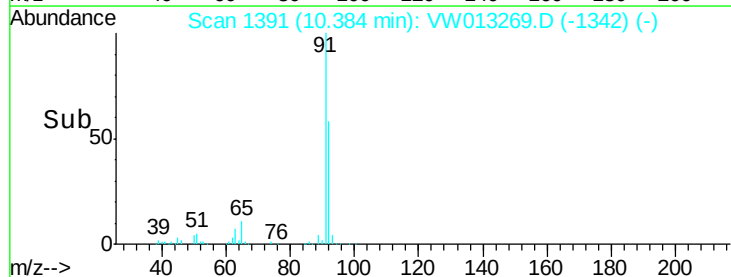
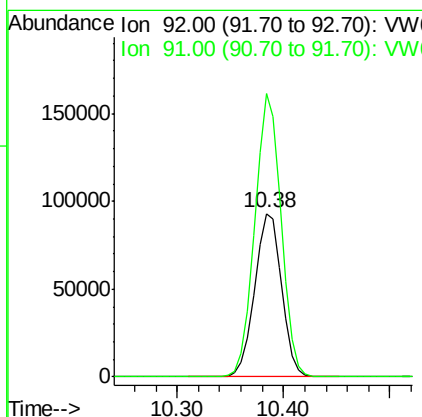
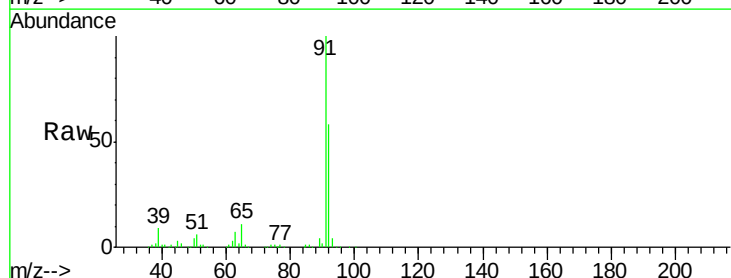
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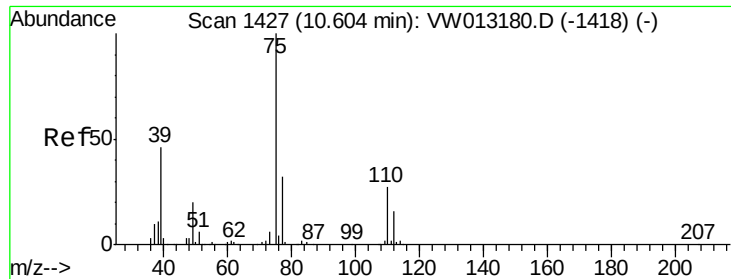
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#52
 Toluene
 Concen: 20.183 ug/l
 RT: 10.38 min Scan# 1391
 Delta R.T. -0.00 min
 Lab File: VW013269.D
 Acq: 24 Sep 2019 12:10

Tgt Ion	92	Resp	165287
Ion Ratio	92	100	
Lower	91	169.1	135.7
Upper			203.5





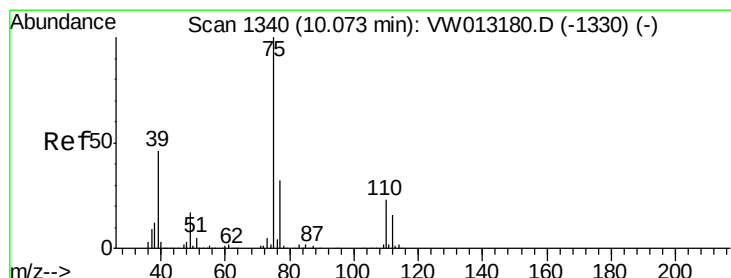
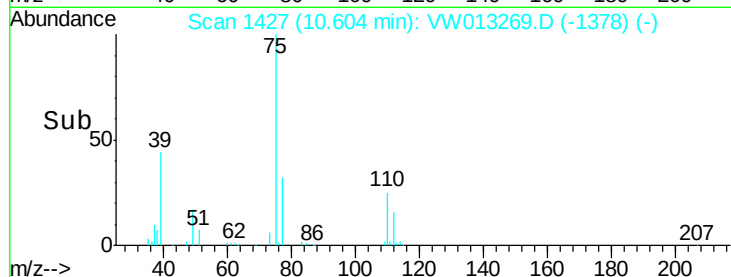
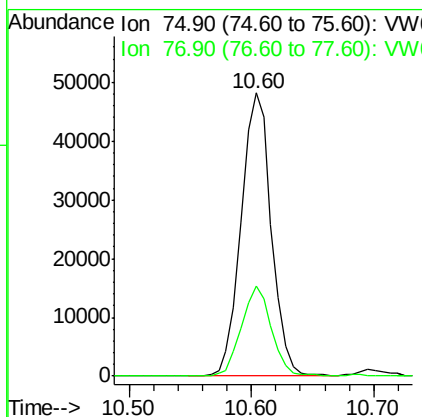
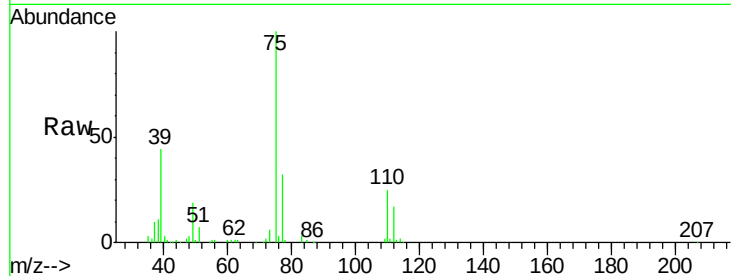
#53
 t-1,3-Dichloropropene
 Concen: 20.819 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. -0.00 min
 Lab File: VW013269.D
 Acq: 24 Sep 2019 12:10

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0924SBS01

Tot Ion: 75 Resp: 82433
 Ion Ratio Lower Upper
 75 100
 77 31.4 25.5 38.3

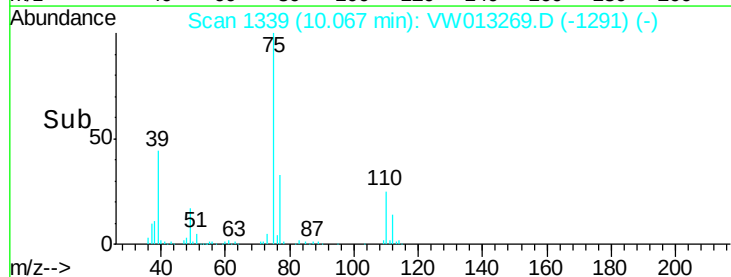
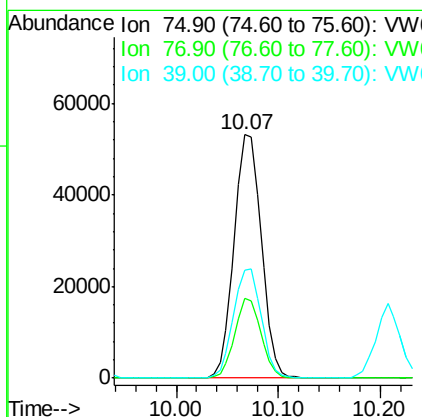
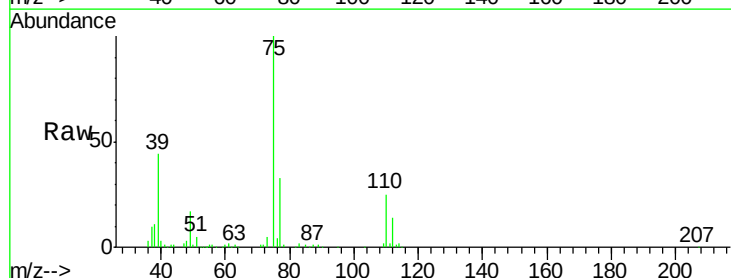
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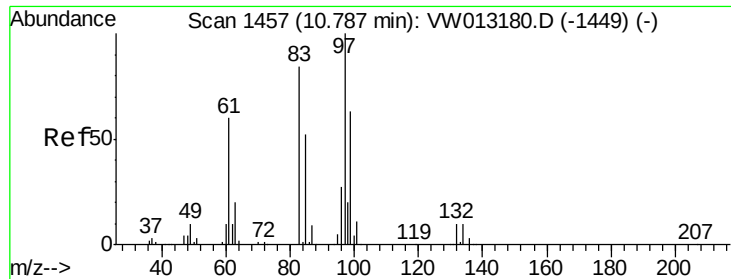
MMDadoda
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#54
 cis-1,3-Dichloropropene
 Concen: 20.487 ug/l
 RT: 10.07 min Scan# 1339
 Delta R.T. -0.01 min
 Lab File: VW013269.D
 Acq: 24 Sep 2019 12:10

Tgt Ion: 75 Resp: 98626
 Ion Ratio Lower Upper
 75 100
 77 32.8 25.2 37.8
 39 44.3 36.6 55.0





#55

1,1,2-Trichloroethane

Concen: 21.628 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW013269.D

Acq: 24 Sep 2019 12:10

Instrument :

MSVOA_W

ClientSampleId :

VW0924SBS01

Tot Ion: 97 Resp: 48962

Ion Ratio Lower Upper

97 100

83 81.0 67.6 101.4

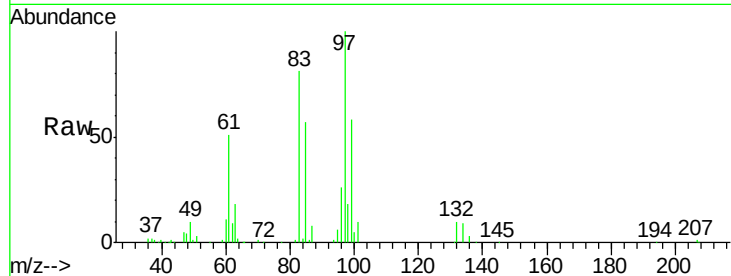
85 56.8 41.9 62.9

99 58.0 50.1 75.1

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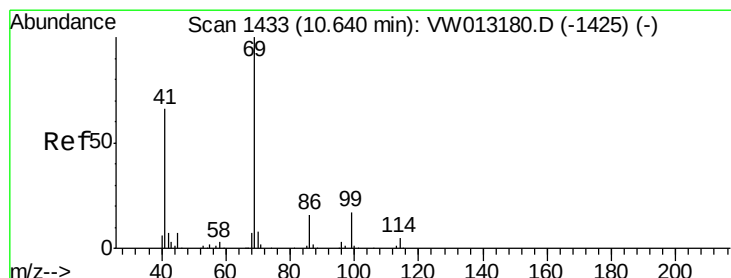
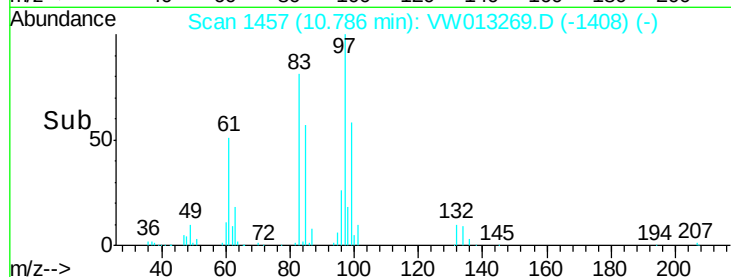
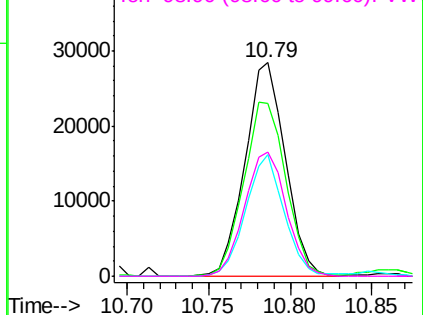


Abundance Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56

Ethyl methacrylate

Concen: 22.888 ug/l

RT: 10.64 min Scan# 1433

Delta R.T. -0.00 min

Lab File: VW013269.D

Acq: 24 Sep 2019 12:10

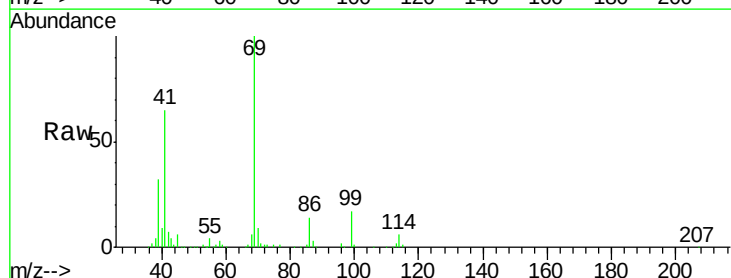
Tgt Ion: 69 Resp: 67809

Ion Ratio Lower Upper

69 100

41 67.1 53.9 80.9

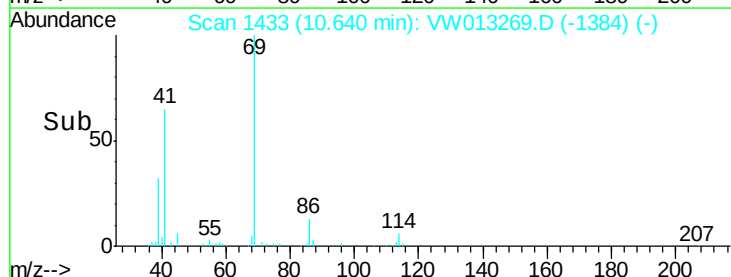
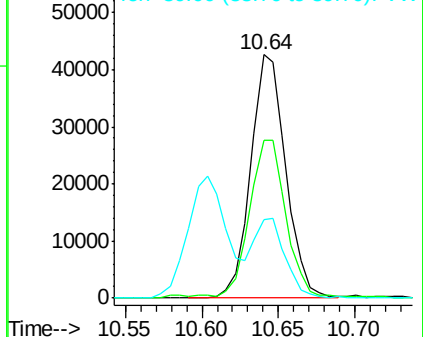
39 29.6 23.8 35.6

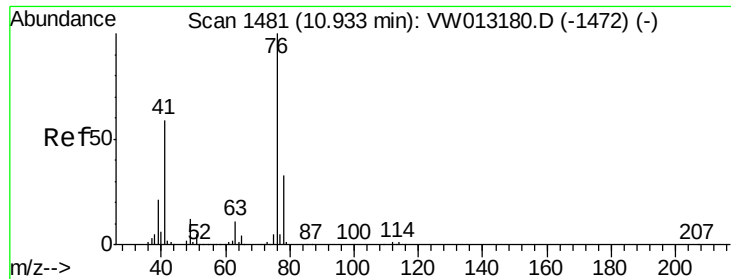


Abundance Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW





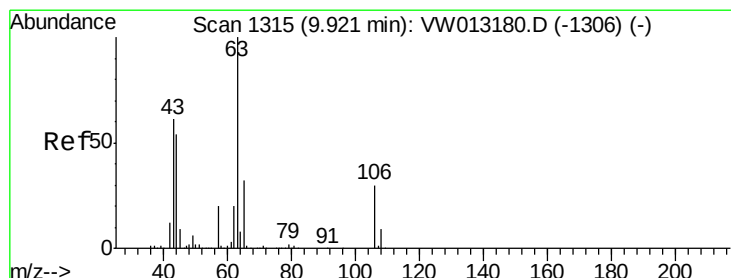
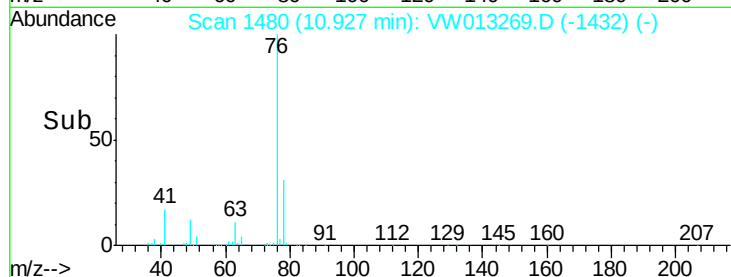
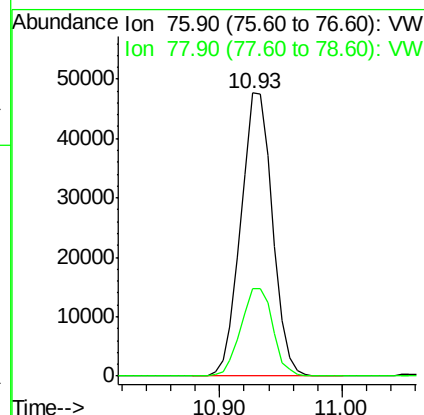
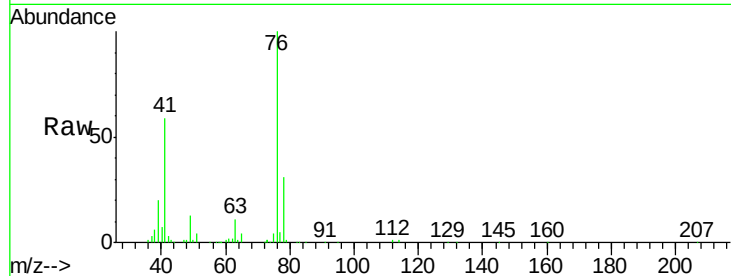
#57
 1,3-Dichloropropane
 Concen: 21.659 ug/l
 RT: 10.93 min Scan# 1480
 Delta R.T. -0.01 min
 Lab File: VW013269.D
 Acq: 24 Sep 2019 12:10

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0924SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.4	25.5	38.3

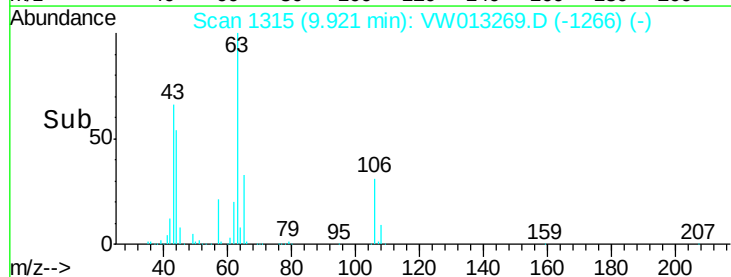
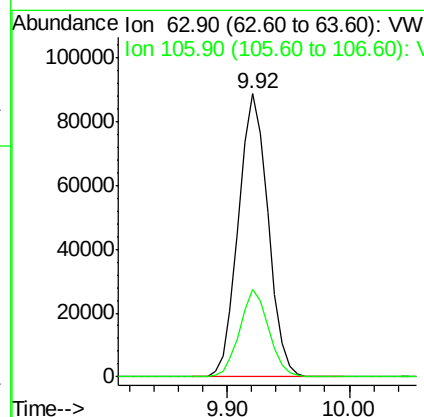
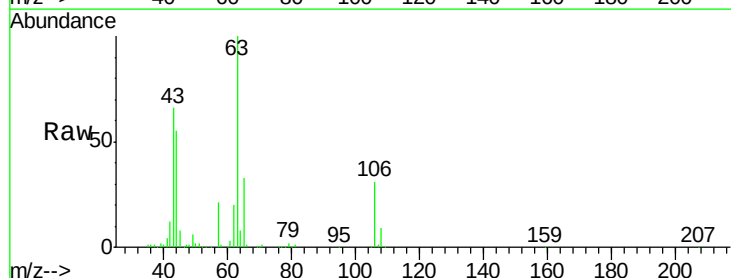
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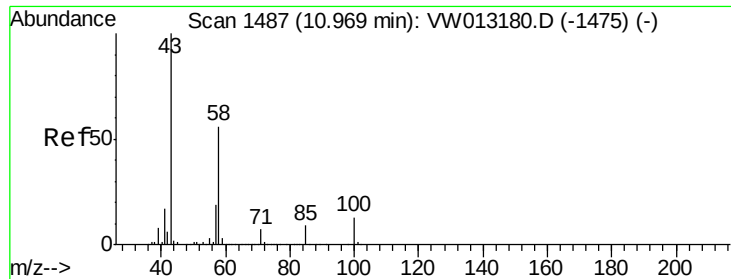
MMDadoda
 9/26/2019 12:37:35 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 108.454 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW013269.D
 Acq: 24 Sep 2019 12:10

Tgt Ion	Ratio	Lower	Upper
63	100		
106	30.2	23.4	35.0





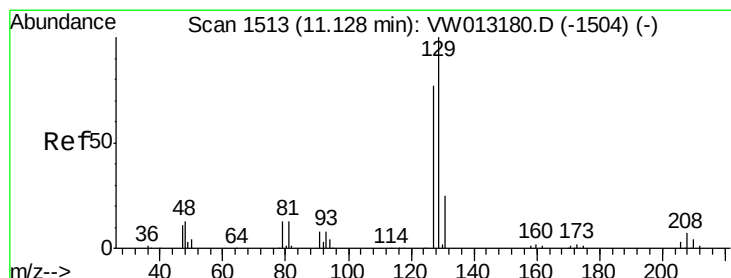
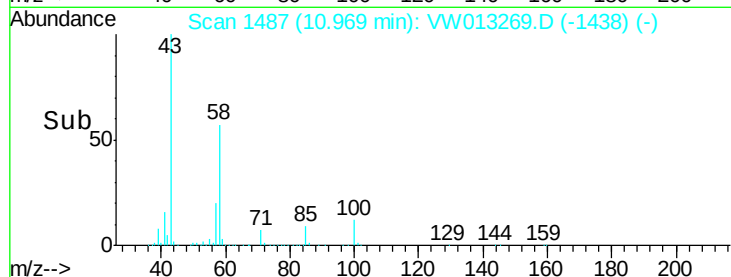
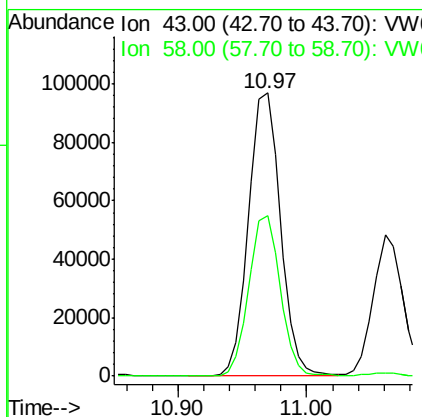
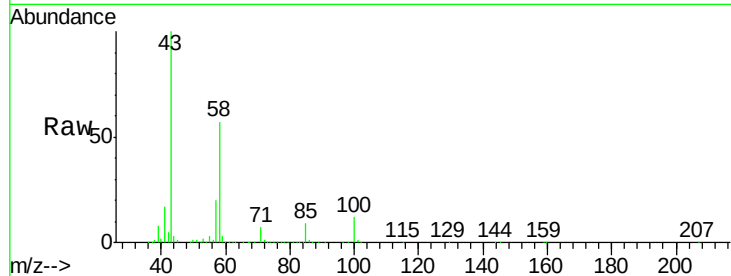
#59
2-Hexanone
Concen: 128.775 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW013269.D
Acq: 24 Sep 2019 12:10

Instrument :
MSVOA_W
ClientSampleId :
VW0924SBS01

Tot Ion: 43 Resp: 165736
Ion Ratio Lower Upper
43 100
58 56.0 28.1 84.2

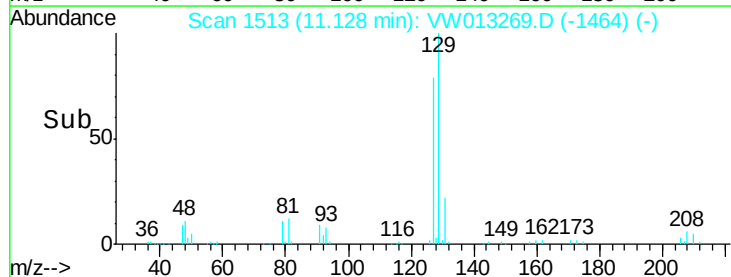
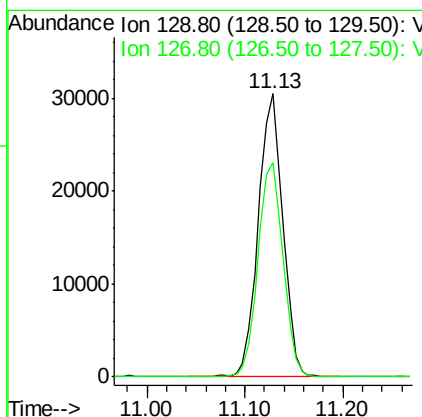
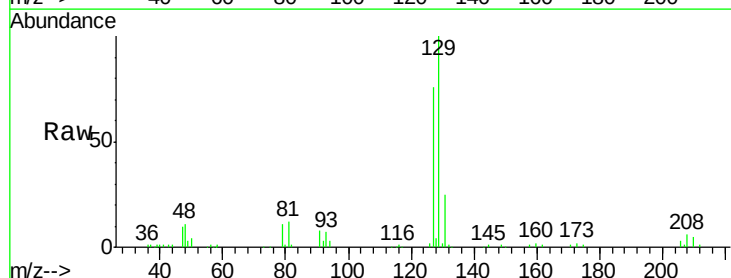
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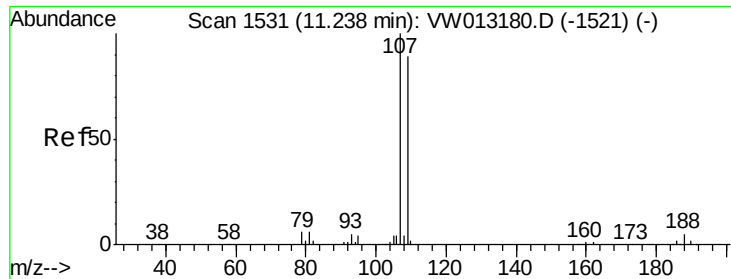
MMDadoda
9/26/2019 12:37:35 AM



#60
Dibromochloromethane
Concen: 20.712 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW013269.D
Acq: 24 Sep 2019 12:10

Tgt Ion: 129 Resp: 53239
Ion Ratio Lower Upper
129 100
127 77.2 38.8 116.4





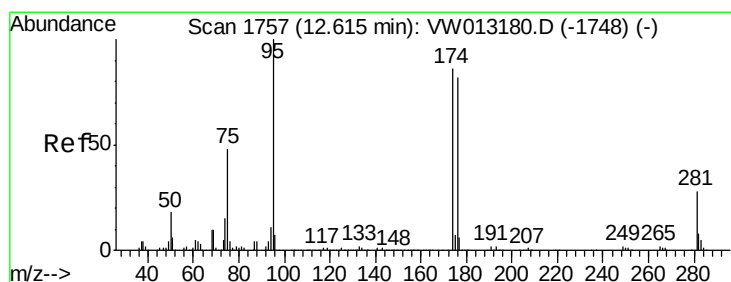
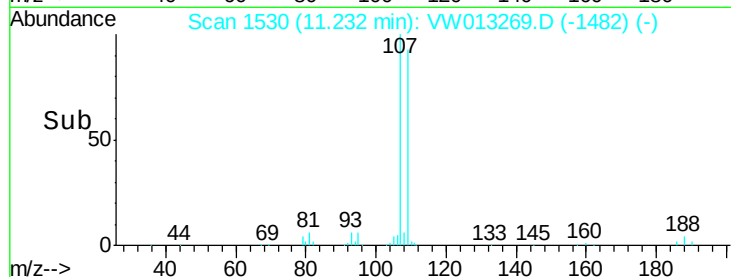
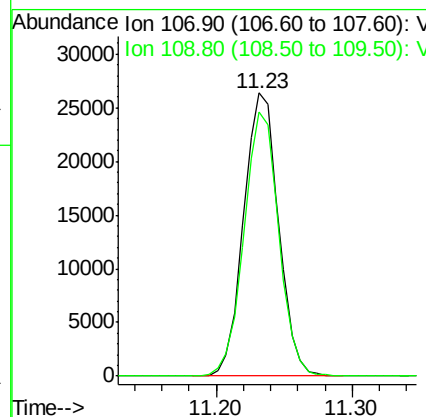
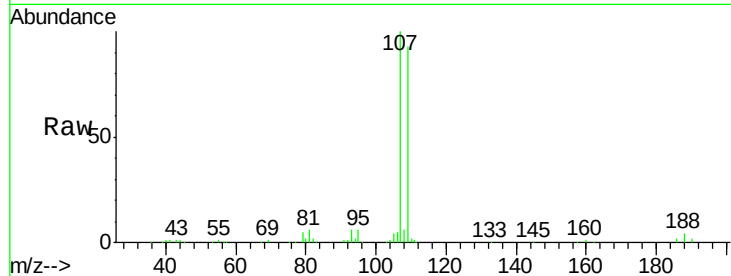
#61
 1,2-Dibromoethane
 Concen: 21.918 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW013269.D
 Acq: 24 Sep 2019 12:10

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0924SBS01

Tot Ion: 107 Resp: 47177
 Ion Ratio Lower Upper
 107 100
 109 93.2 75.2 112.8

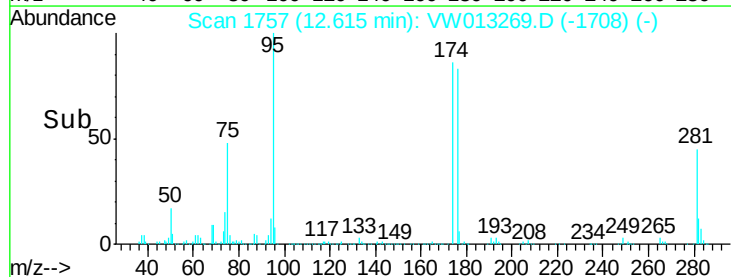
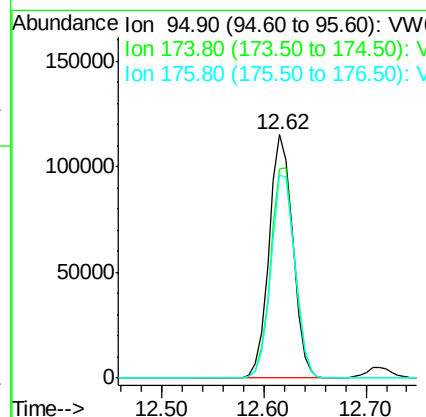
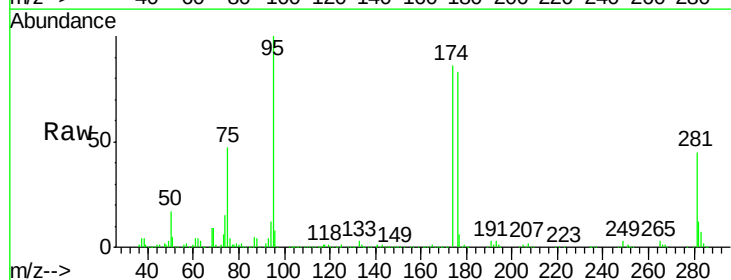
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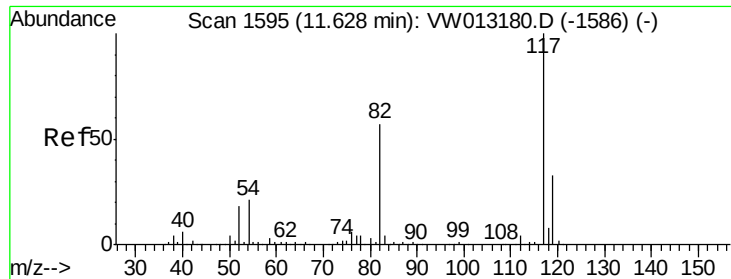
MMDadoda
 9/26/2019 12:37:35 AM



#62
 4-Bromofluorobenzene
 Concen: 50.111 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW013269.D
 Acq: 24 Sep 2019 12:10

Tgt Ion: 95 Resp: 186354
 Ion Ratio Lower Upper
 95 100
 174 88.2 0.0 178.4
 176 83.9 0.0 172.2





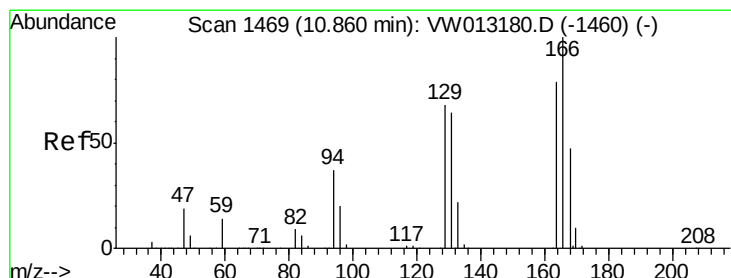
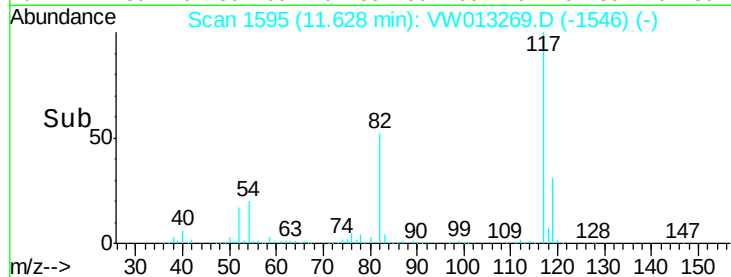
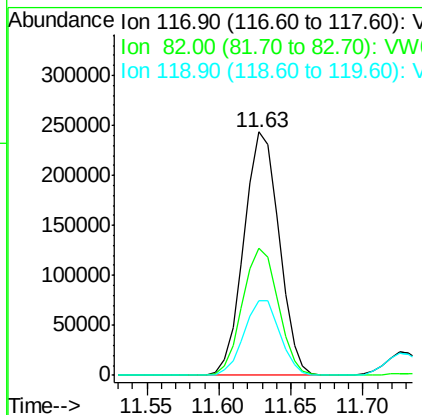
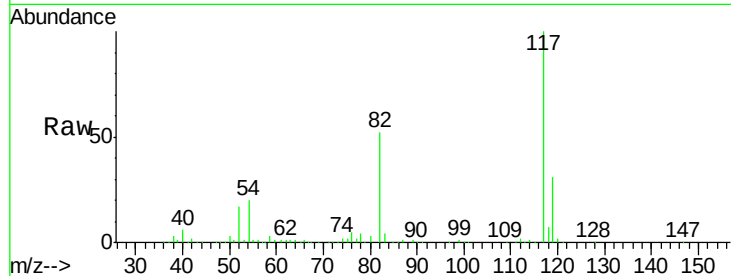
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW013269.D
Acq: 24 Sep 2019 12:10

Instrument :
MSVOA_W
ClientSampleId :
VW0924SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	413927		
82	52.4	45.9	68.9	
119	30.7	26.2	39.2	

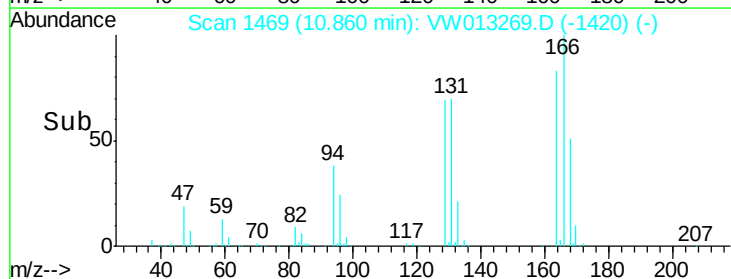
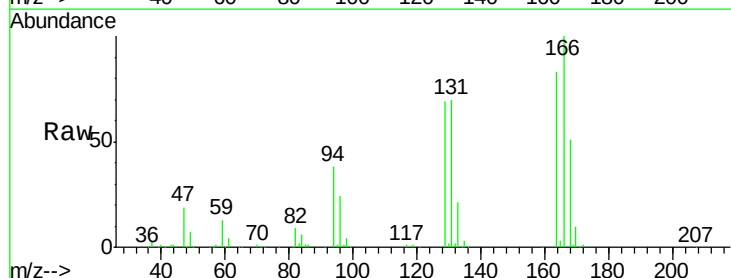
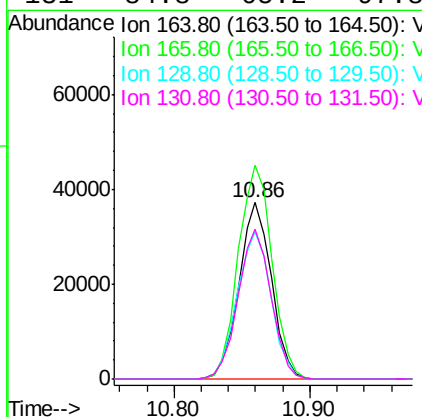
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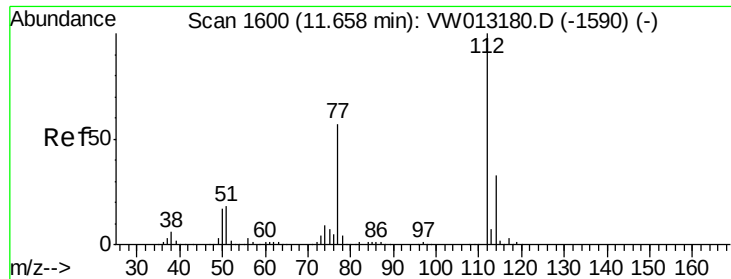
MMDadoda
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#64
Tetrachloroethene
Concen: 19.790 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW013269.D
Acq: 24 Sep 2019 12:10

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	62153		
166	121.0	101.2	151.8	
129	83.0	68.8	103.2	
131	84.8	65.2	97.8	





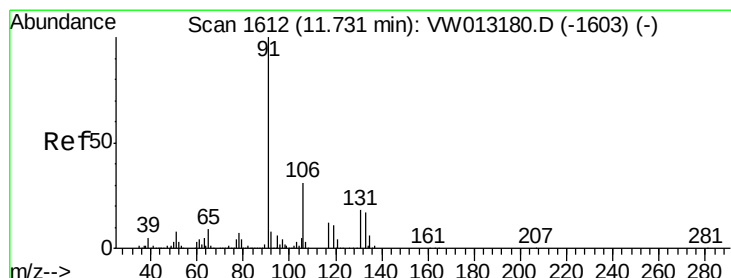
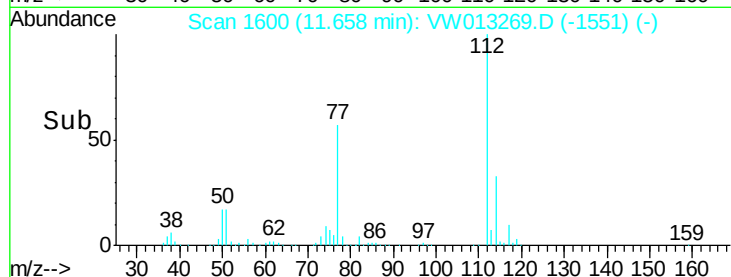
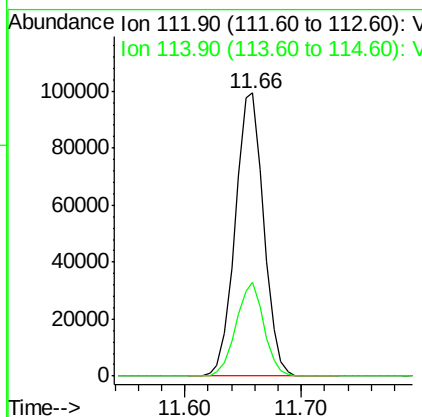
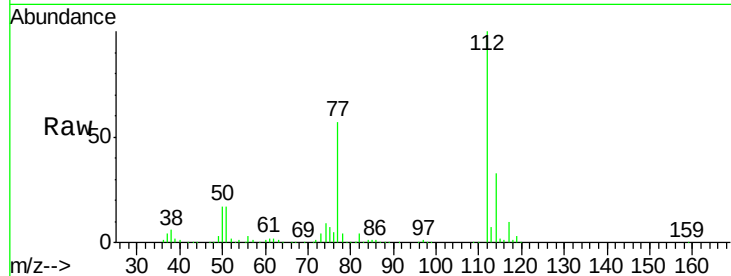
#65
Chlorobenzene
Concen: 19.565 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW013269.D
Acq: 24 Sep 2019 12:10

Instrument :
MSVOA_W
ClientSampleId :
VW0924SBS01

Tot Ion:112 Resp: 169113
Ion Ratio Lower Upper
112 100
114 33.2 26.5 39.7

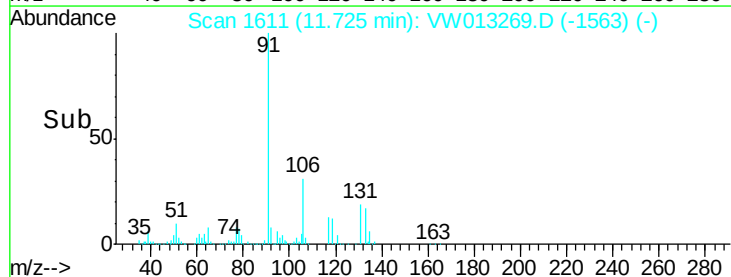
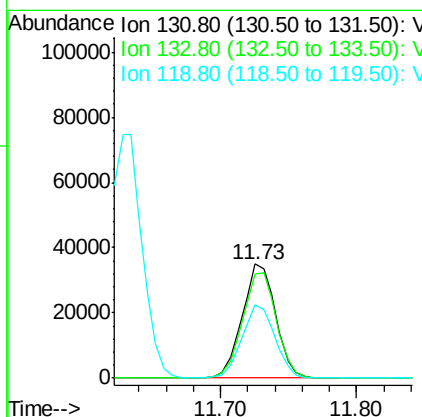
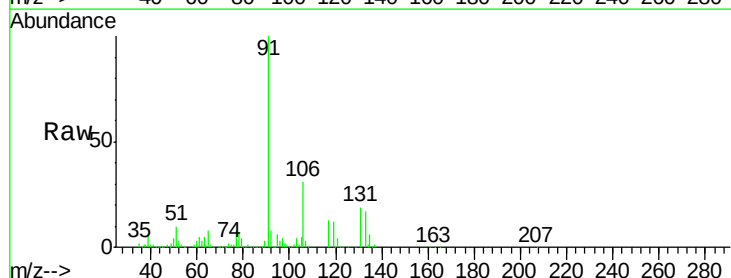
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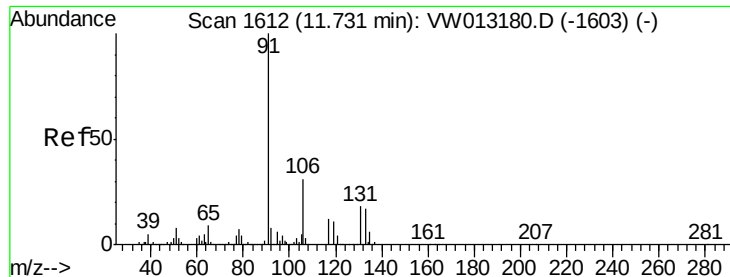
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.236 ug/l
RT: 11.73 min Scan# 1611
Delta R.T. -0.01 min
Lab File: VW013269.D
Acq: 24 Sep 2019 12:10

Tgt Ion:131 Resp: 59756
Ion Ratio Lower Upper
131 100
133 94.5 47.5 142.6
119 63.6 32.5 97.5





#67

Ethyl Benzene

Concen: 20.088 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW013269.D

Acq: 24 Sep 2019 12:10

Instrument :

MSVOA_W

ClientSampleId :

VW0924SBS01

Tot Ion: 91 Resp: 314601

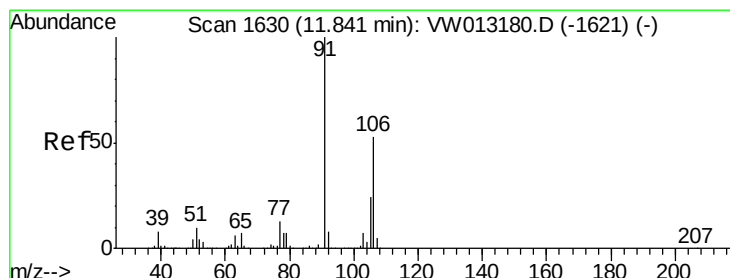
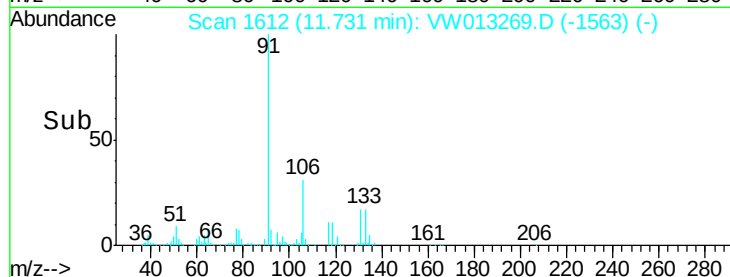
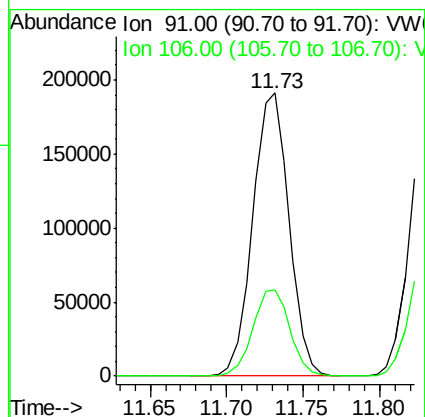
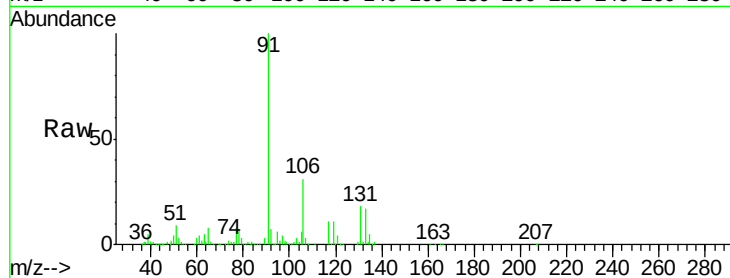
Ion Ratio Lower Upper

91 100

106 30.6 24.9 37.3

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#68

m/p-Xylenes

Concen: 39.844 ug/l

RT: 11.84 min Scan# 1629

Delta R.T. -0.01 min

Lab File: VW013269.D

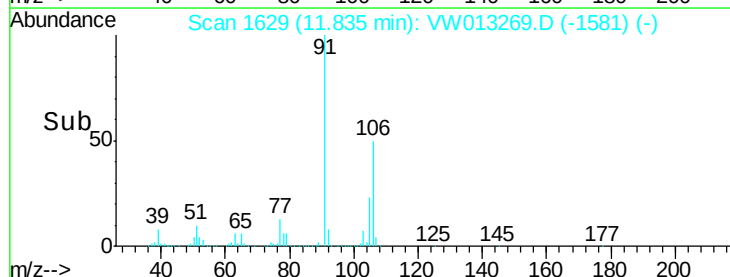
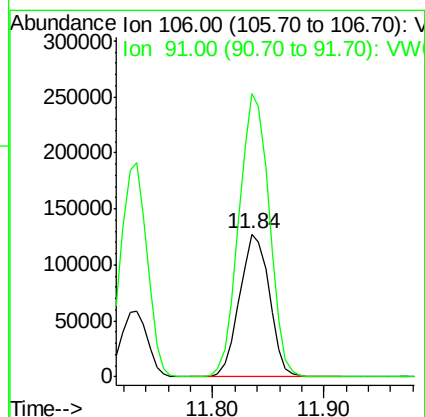
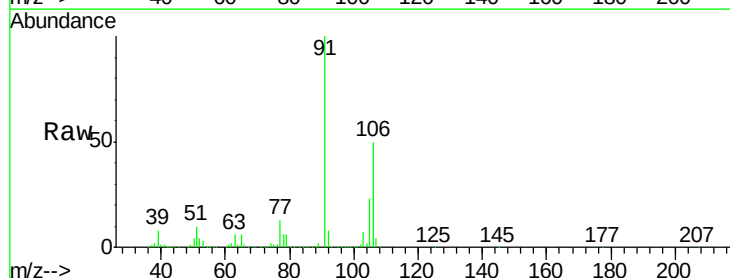
Acq: 24 Sep 2019 12:10

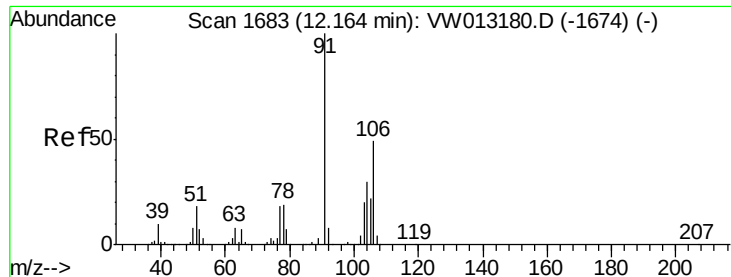
Tgt Ion: 106 Resp: 237787

Ion Ratio Lower Upper

106 100

91 200.6 157.9 236.9





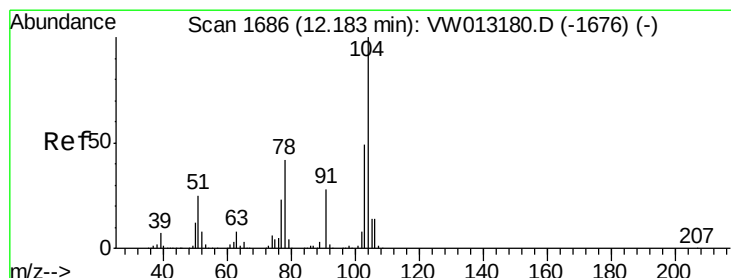
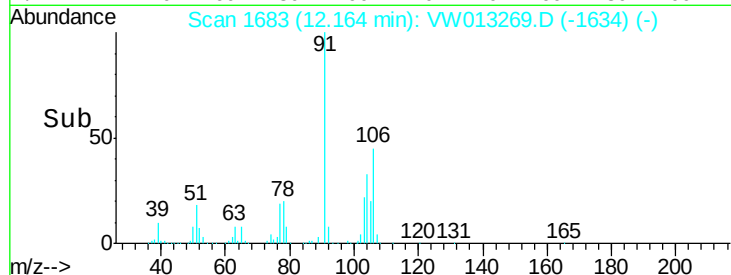
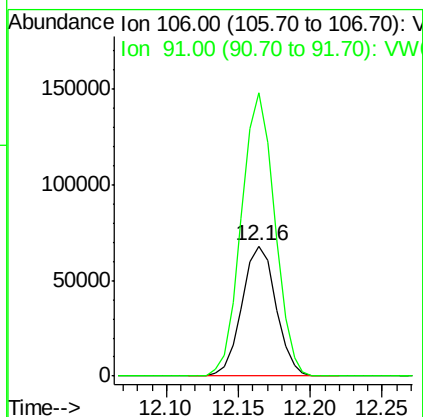
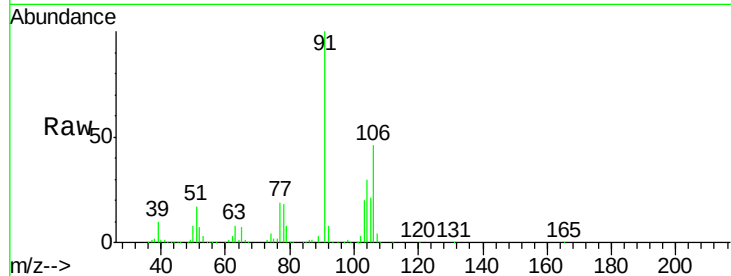
#69
o-Xylene
Concen: 19.993 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW013269.D
Acq: 24 Sep 2019 12:10

Instrument :
MSVOA_W
ClientSampleId :
VW0924SBS01

Tot Ion	Ratio	Resp	Lower	Upper
106	100	110933		
91	214.2	106.5	319.5	

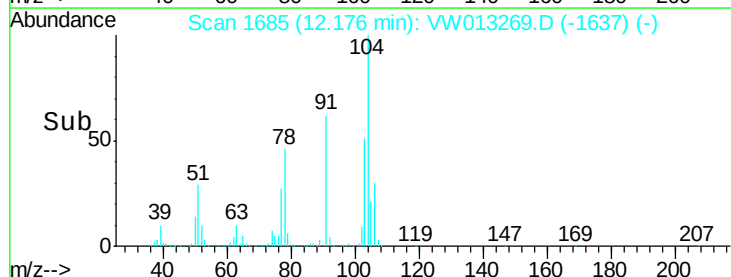
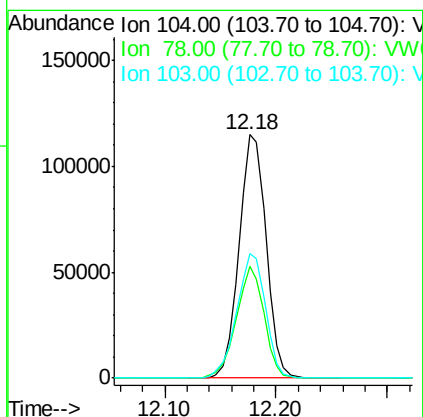
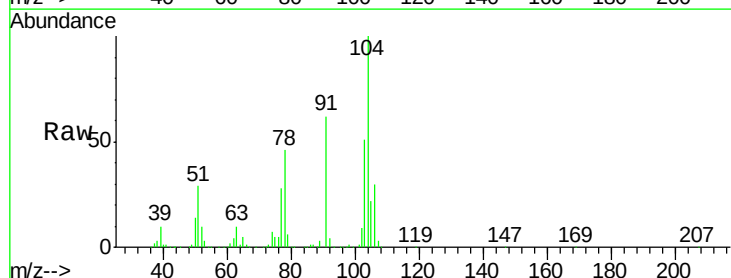
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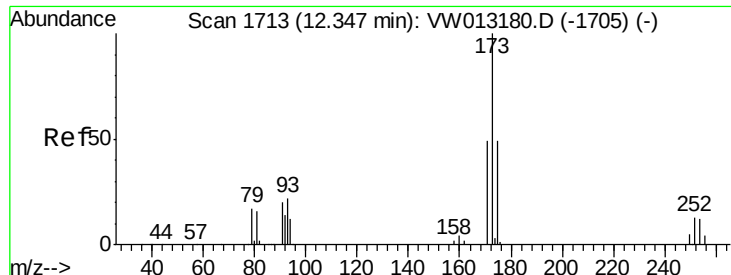
MMDadoda
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#70
Styrene
Concen: 20.348 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. -0.01 min
Lab File: VW013269.D
Acq: 24 Sep 2019 12:10

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	193830		
78	46.6	38.4	57.6	
103	54.3	43.3	64.9	





#71

Bromoform

Concen: 21.435 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW013269.D

Acq: 24 Sep 2019 12:10

Instrument :

MSVOA_W

ClientSampleId :

VW0924SBS01

Tot Ion:173 Resp: 33439

Ion Ratio Lower Upper

173 100

175 50.7 24.3 73.0

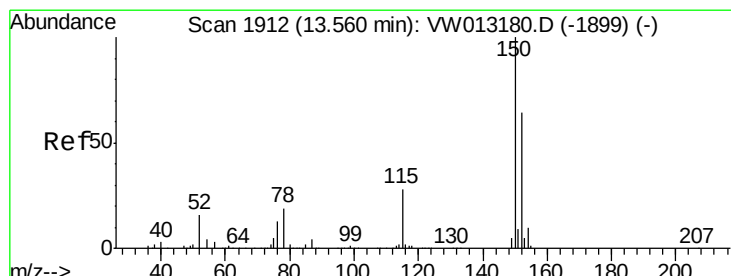
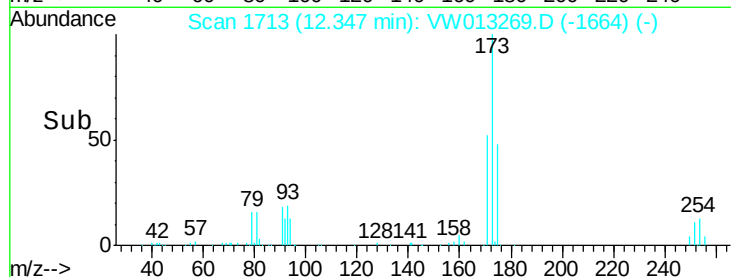
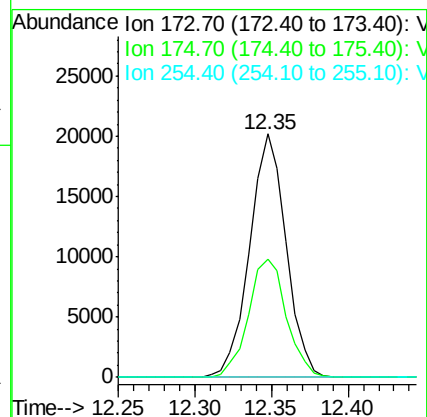
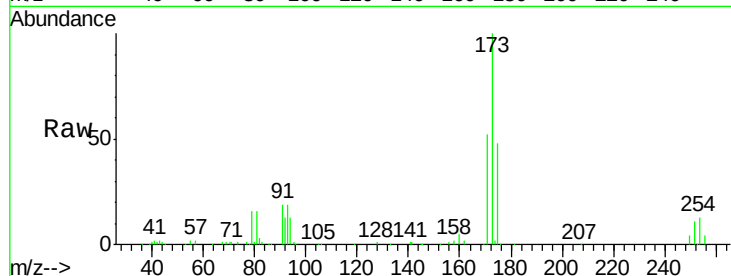
254 0.1 0.1 0.1

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW013269.D

Acq: 24 Sep 2019 12:10

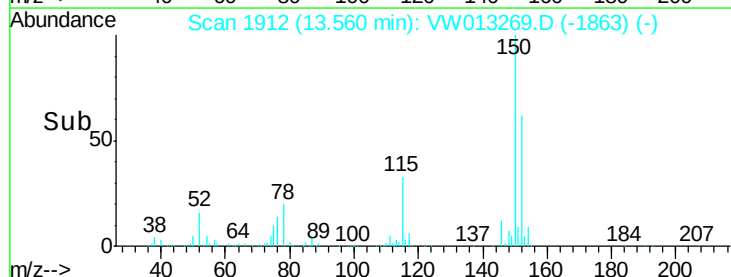
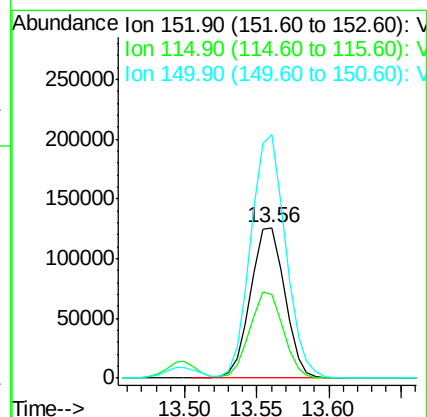
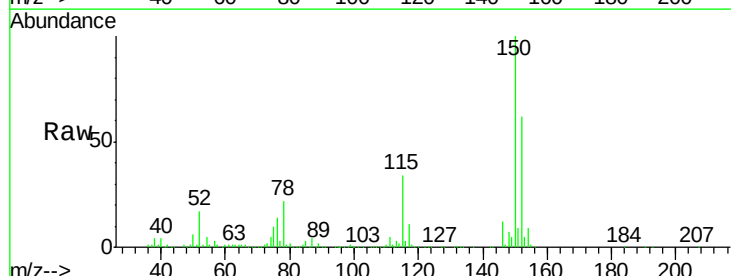
Tgt Ion:152 Resp: 207423

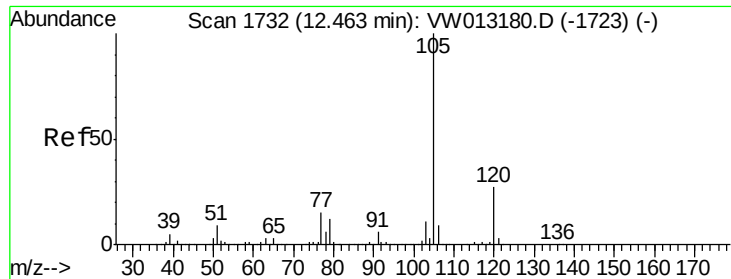
Ion Ratio Lower Upper

152 100

115 56.1 27.3 81.9

150 164.7 0.0 349.0





#73

Isopropylbenzene

Concen: 20.392 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW013269.D

Acq: 24 Sep 2019 12:10

Instrument :

MSVOA_W

ClientSampleId :

VW0924SBS01

Tot Ion: 105 Resp: 312463

Ion Ratio Lower Upper

105 100

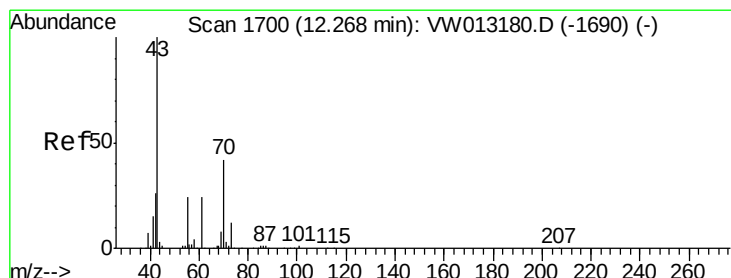
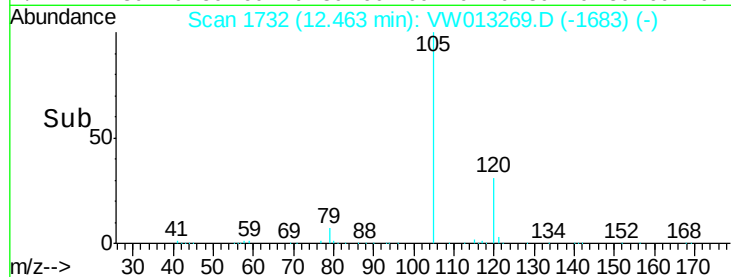
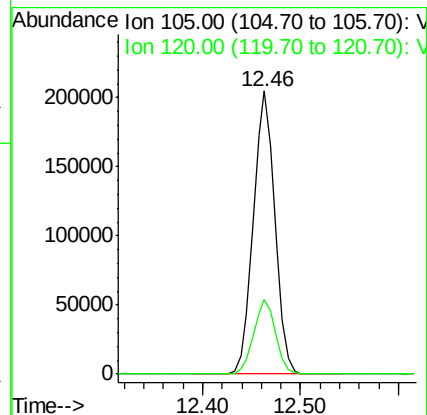
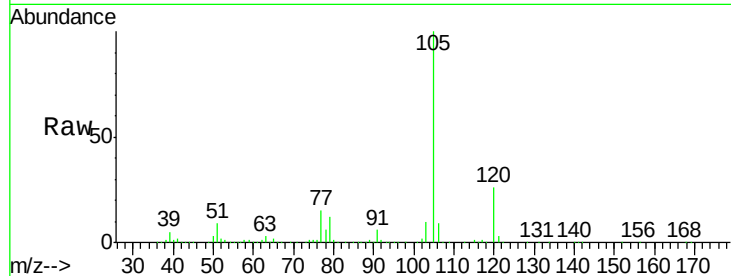
120 26.7 13.4 40.1

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#74

N-ethyl acetate

Concen: 23.141 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.01 min

Lab File: VW013269.D

Acq: 24 Sep 2019 12:10

Tgt Ion: 43 Resp: 78682

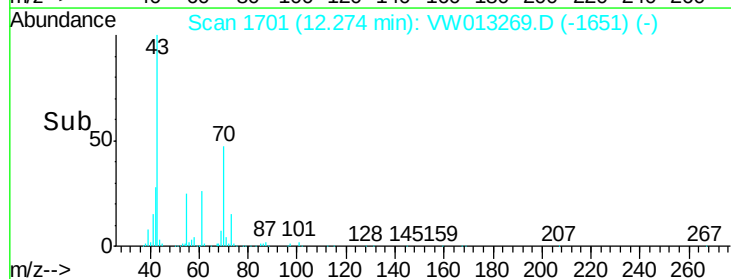
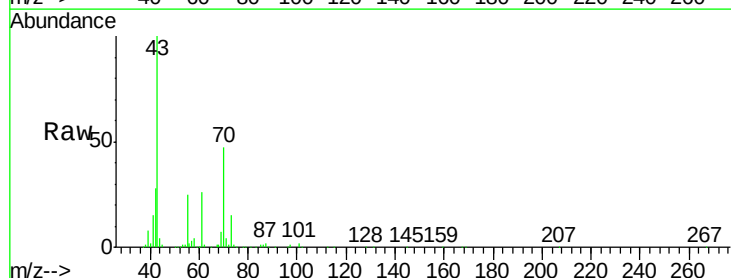
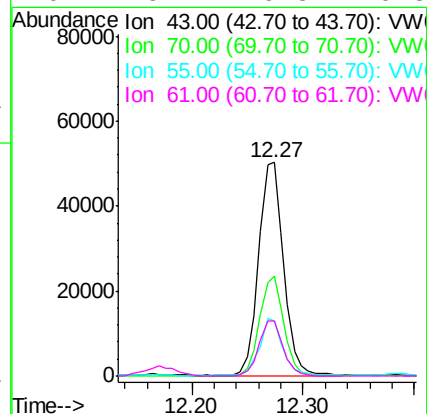
Ion Ratio Lower Upper

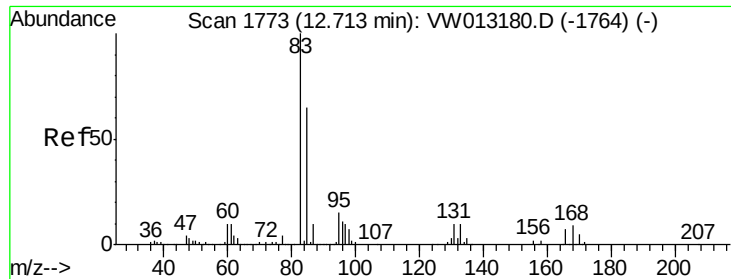
43 100

70 45.7 35.1 52.7

55 25.4 19.9 29.9

61 25.4 19.5 29.3





#75

1,1,2,2-Tetrachloroethane

Concen: 22.931 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW013269.D

Acq: 24 Sep 2019 12:10

Instrument :

MSVOA_W

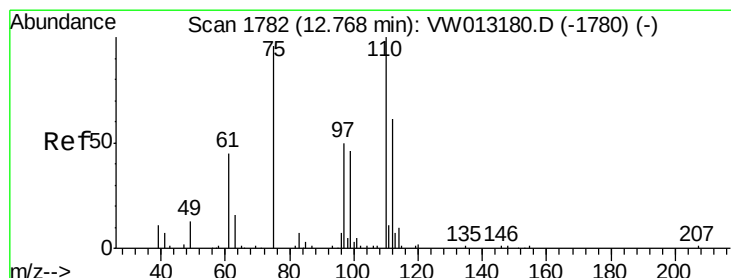
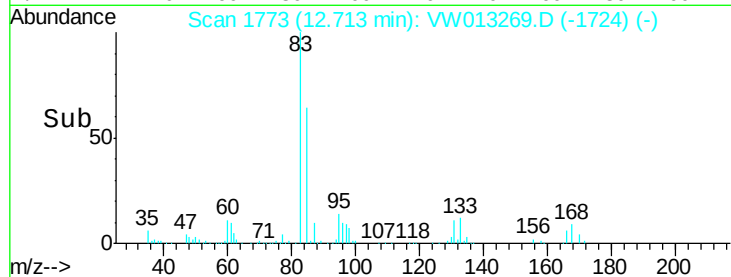
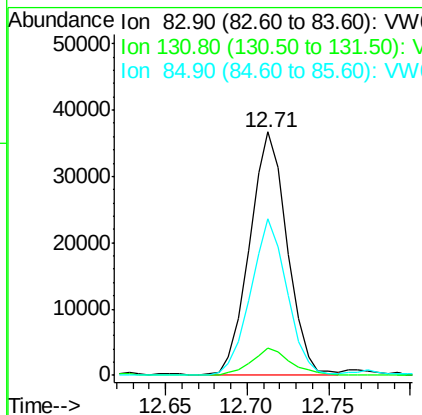
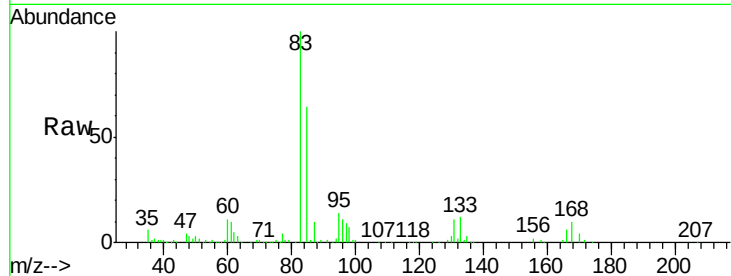
ClientSampleId :

VW0924SBS01

Tot Ion:	83	Resp:	58762
Ion Ratio	Lower	Upper	
83	100		
131	12.0	5.4	16.2
85	62.8	31.9	95.9

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#76

1,2,3-Trichloropropane

Concen: 25.049 ug/l m

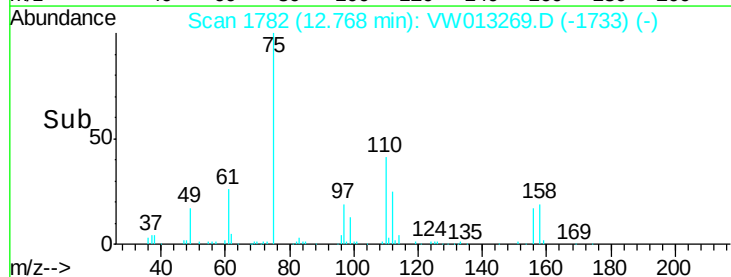
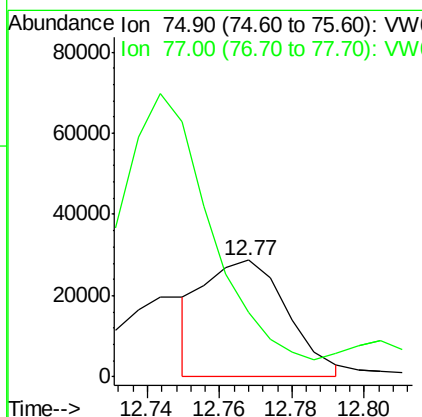
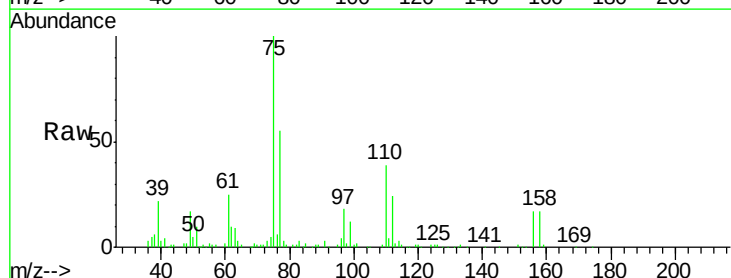
RT: 12.77 min Scan# 1782

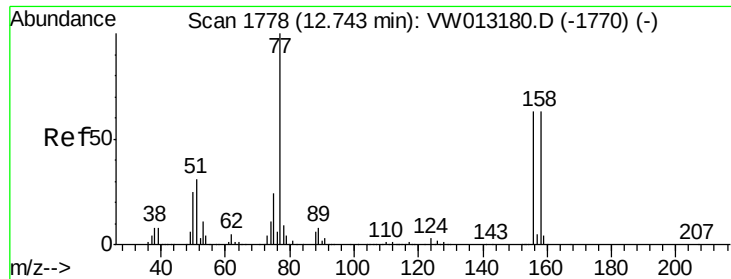
Delta R.T. -0.00 min

Lab File: VW013269.D

Acq: 24 Sep 2019 12:10

Tgt Ion:	75	Resp:	45885
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.941 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VW013269.D

Acq: 24 Sep 2019 12:10

Instrument :

MSVOA_W

ClientSampleId :

VW0924SBS01

Tot Ion:156 Resp: 72406

Ion Ratio Lower Upper

156 100

77 179.7 85.7 257.1

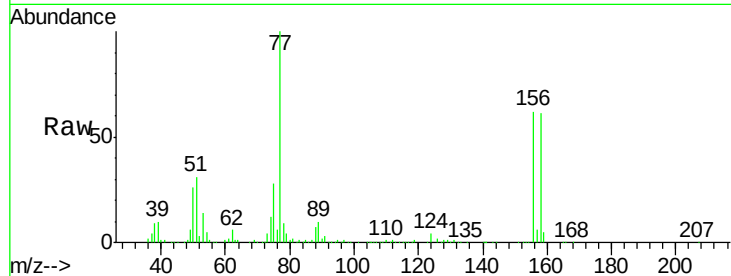
158 98.2 48.1 144.4

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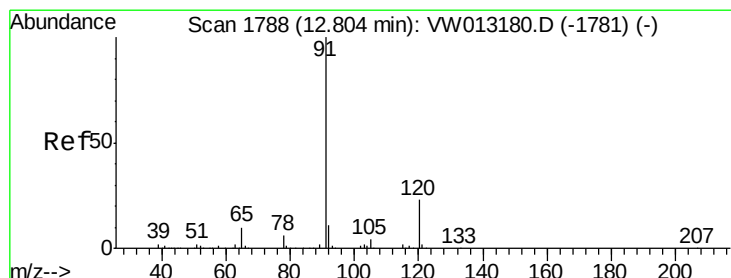
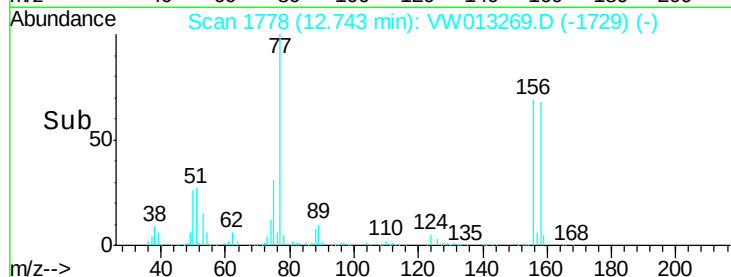
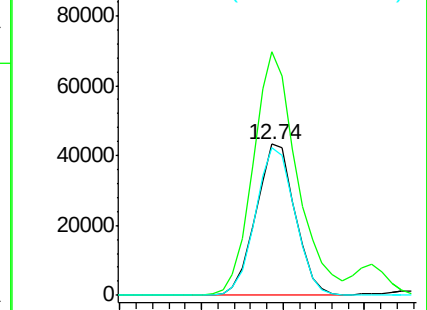
9/26/2019 12:37:35 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.305 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW013269.D

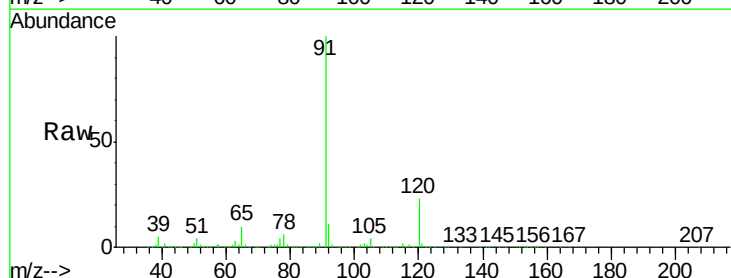
Acq: 24 Sep 2019 12:10

Tgt Ion: 91 Resp: 364187

Ion Ratio Lower Upper

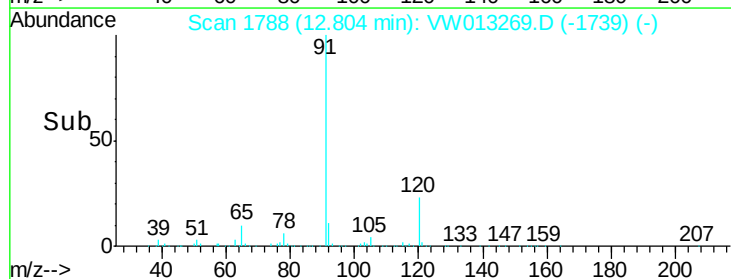
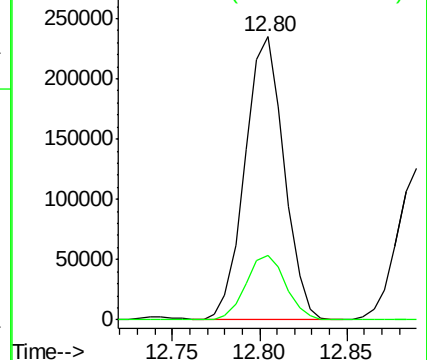
91 100

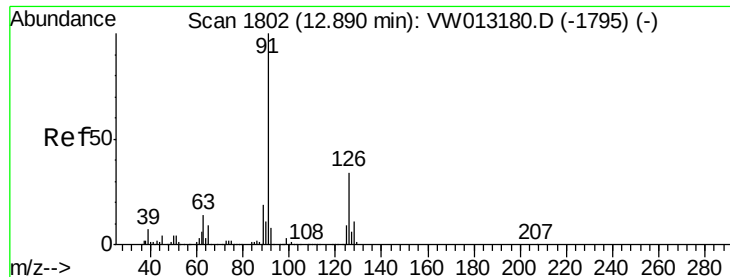
120 23.4 11.7 35.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.052 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW013269.D

Acq: 24 Sep 2019 12:10

Instrument :

MSVOA_W

ClientSampleId :

VW0924SBS01

Tot Ion: 91 Resp: 201484

Ion Ratio Lower Upper

91 100

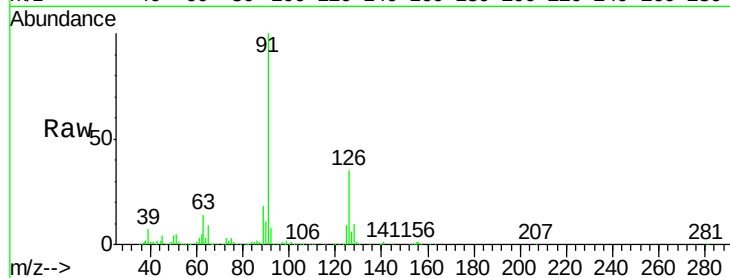
126 35.3 17.2 51.5

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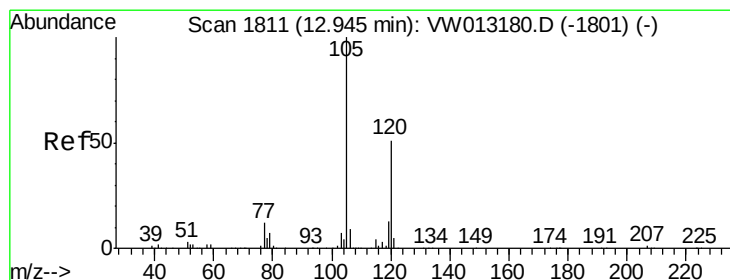
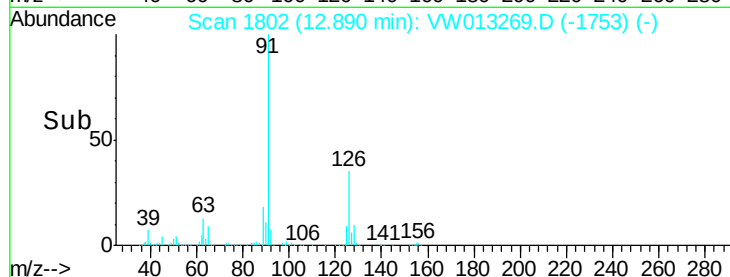
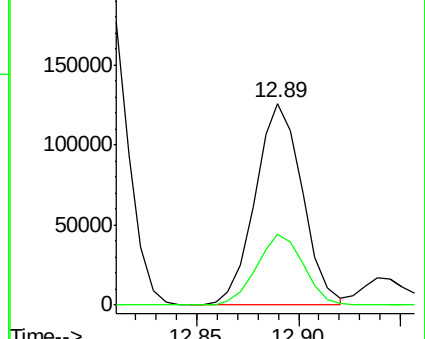
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 20.211 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW013269.D

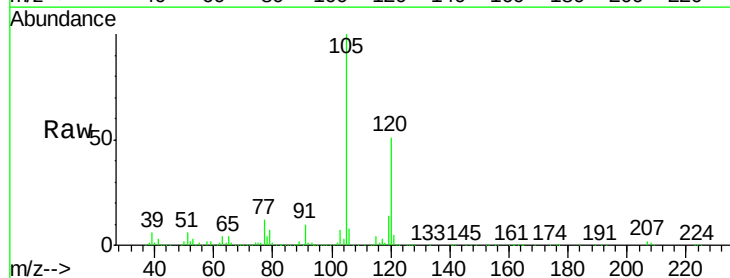
Acq: 24 Sep 2019 12:10

Tgt Ion:105 Resp: 260319

Ion Ratio Lower Upper

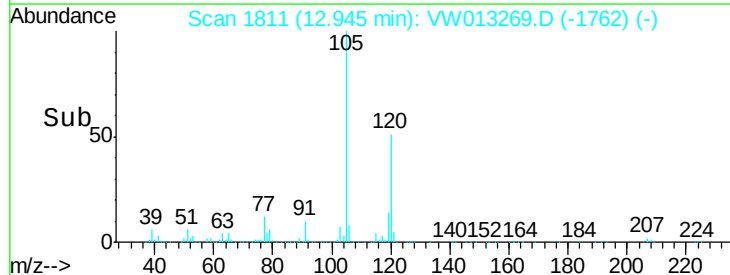
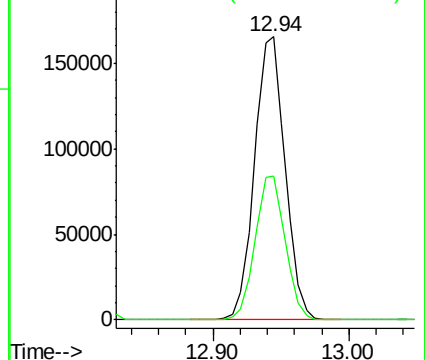
105 100

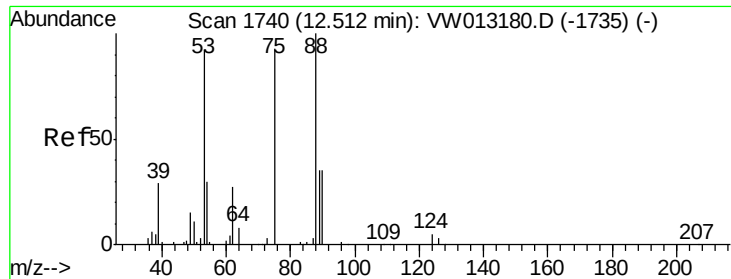
120 50.3 24.9 74.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 24.022 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW013269.D

Acq: 24 Sep 2019 12:10

Instrument :

MSVOA_W

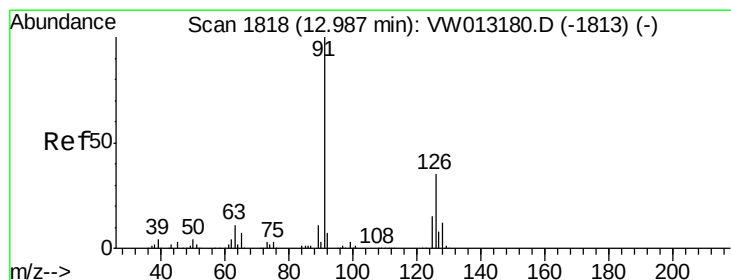
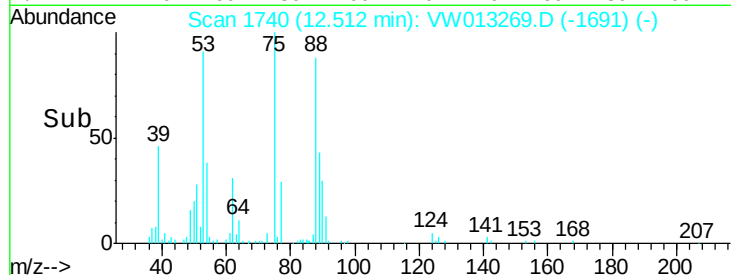
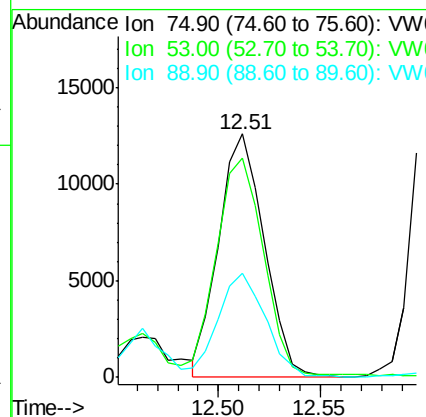
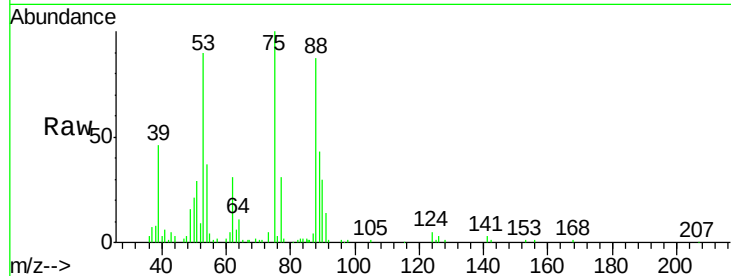
ClientSampleId :

VW0924SBS01

Tot Ion:	75	Resp:	19610
Ion	Ratio	Lower	Upper
75	100		
53	92.0	76.6	114.8
89	44.9	33.5	50.3

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#82

4-Chlorotoluene

Concen: 20.024 ug/l

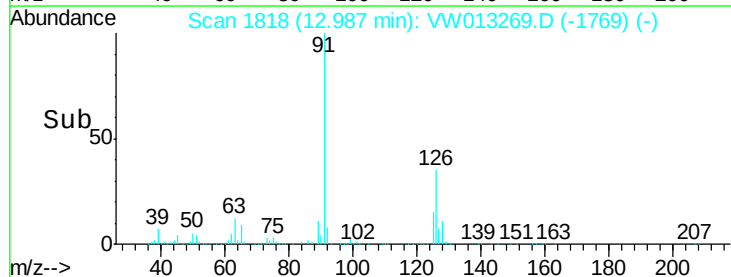
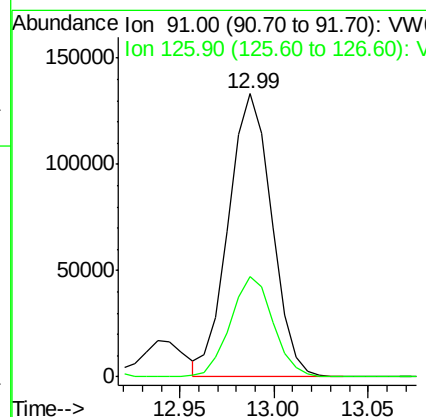
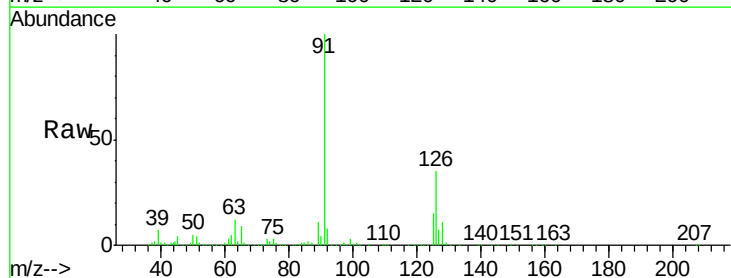
RT: 12.99 min Scan# 1818

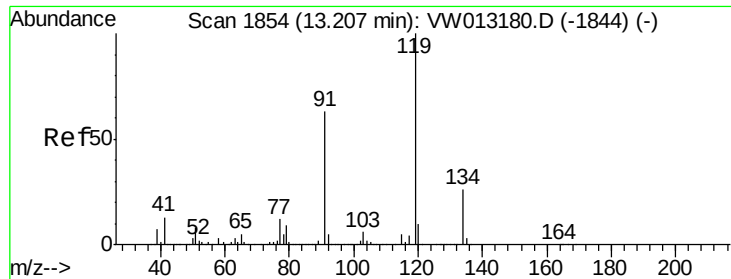
Delta R.T. -0.00 min

Lab File: VW013269.D

Acq: 24 Sep 2019 12:10

Tgt Ion:	91	Resp:	212179
Ion	Ratio	Lower	Upper
91	100		
126	34.8	17.3	51.7





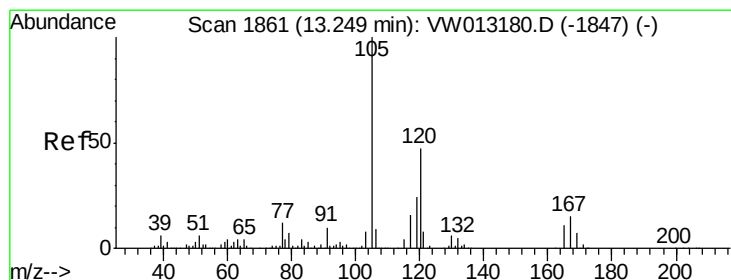
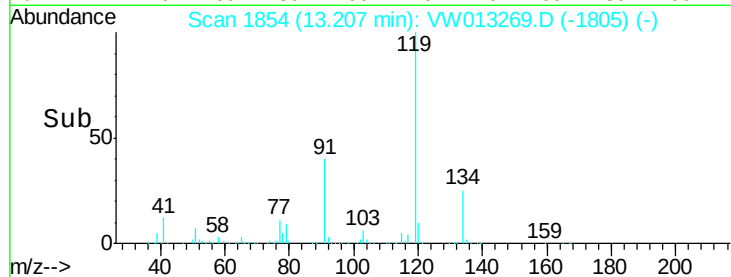
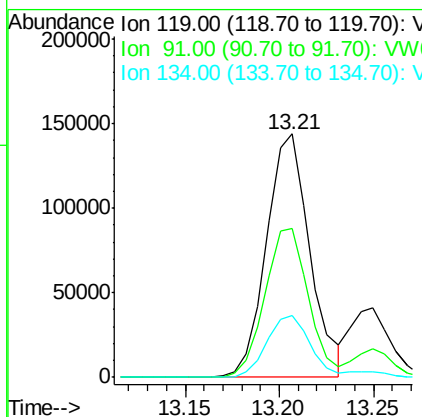
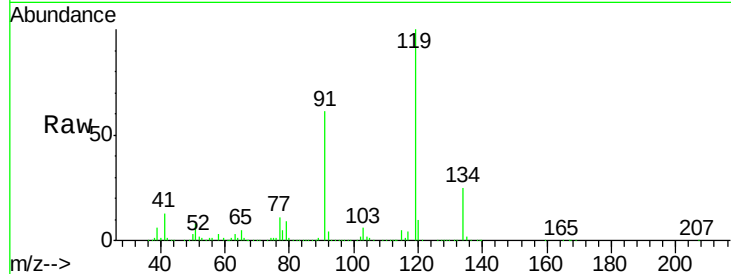
#83
 tert-Butylbenzene
 Concen: 20.404 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW013269.D
 Acq: 24 Sep 2019 12:10

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0924SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	230669		
91	60.9		30.7	92.1
134	27.2		12.6	37.6

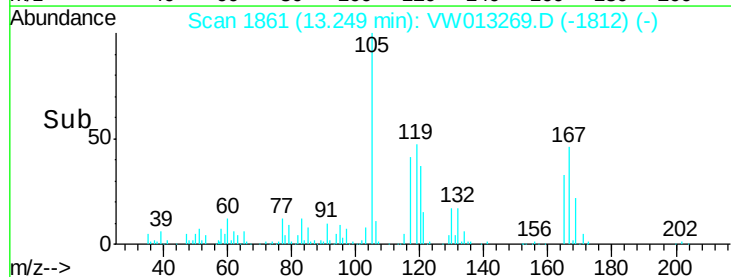
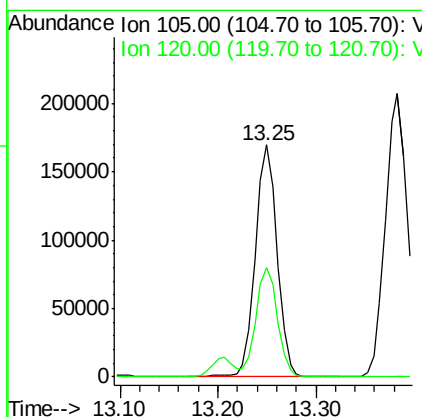
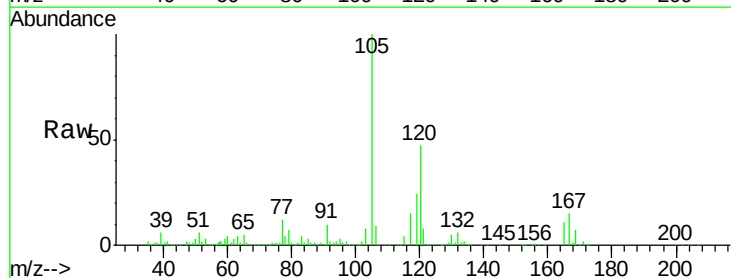
Manual Integrations
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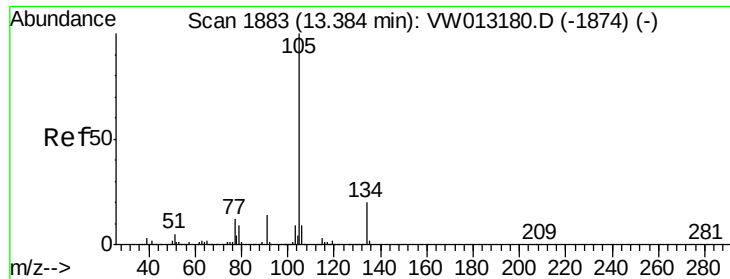
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.400 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW013269.D
 Acq: 24 Sep 2019 12:10

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	261462		
120	47.1		23.4	70.3





#85

sec-Butylbenzene

Concen: 20.540 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW013269.D

Acq: 24 Sep 2019 12:10

Instrument :

MSVOA_W

ClientSampleId :

VW0924SBS01

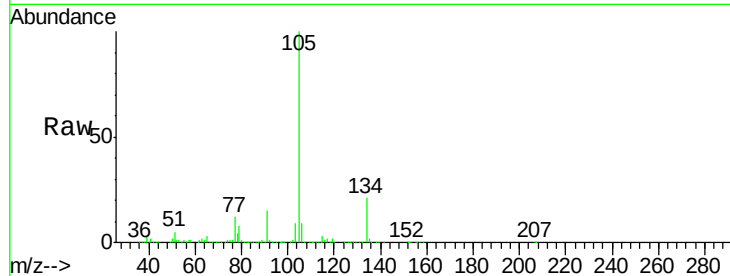
Tot Ion:105 Resp: 320142
Ion Ratio Lower Upper

105 100

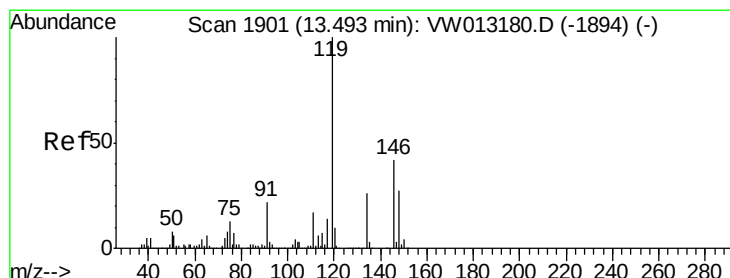
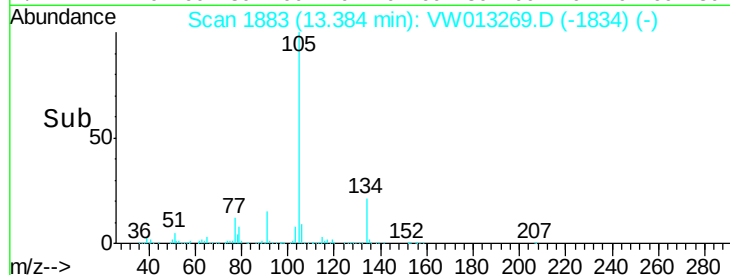
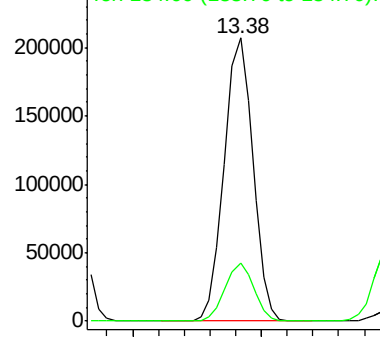
134 20.6 10.3 30.8

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Abundance Ion 105.00 (104.70 to 105.70): V
Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.541 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.01 min

Lab File: VW013269.D

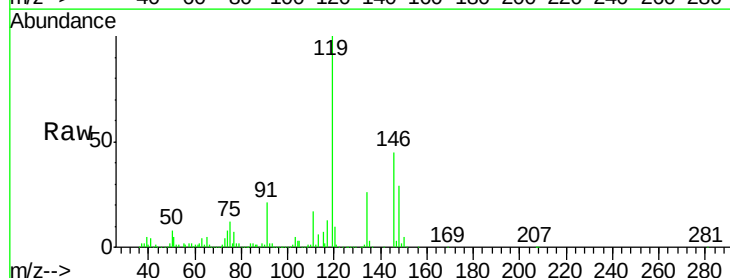
Acq: 24 Sep 2019 12:10

Tgt Ion:119 Resp: 296949
Ion Ratio Lower Upper

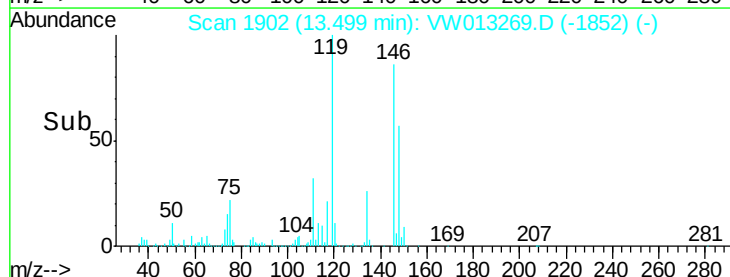
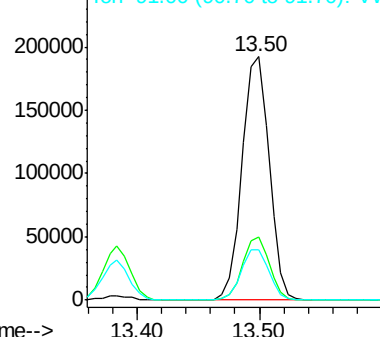
119 100

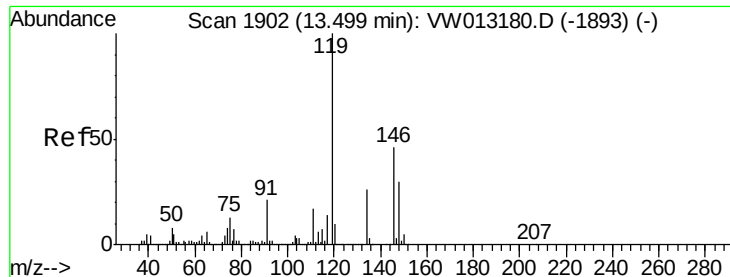
134 25.8 13.3 39.8

91 21.3 10.8 32.4



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





#87

1,3-Dichlorobenzene

Concen: 19.946 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW013269.D

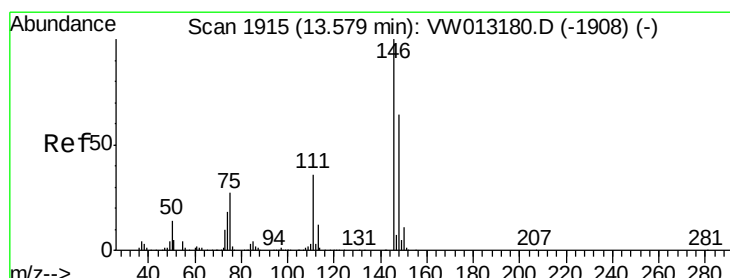
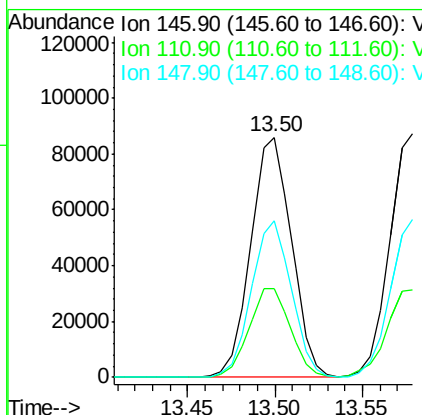
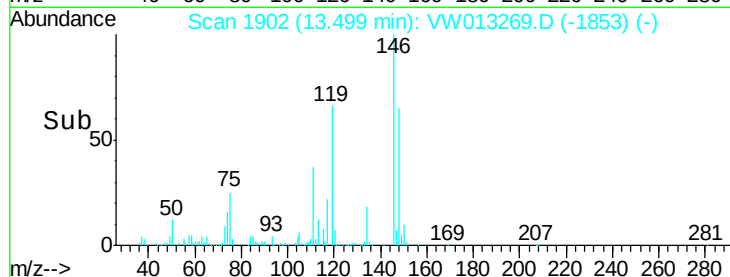
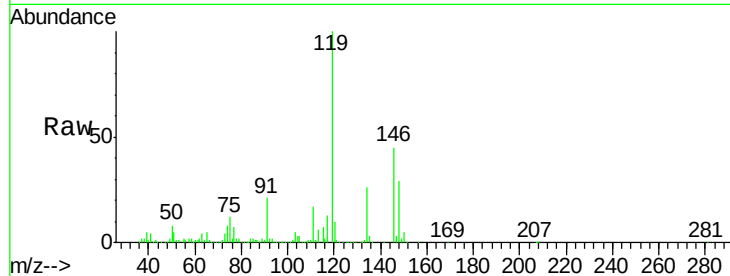
Acq: 24 Sep 2019 12:10

Instrument :
MSVOA_W
ClientSampleId :
VW0924SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.6	18.9	56.9
148	64.2	31.9	95.5

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#88

1,4-Dichlorobenzene

Concen: 20.616 ug/l

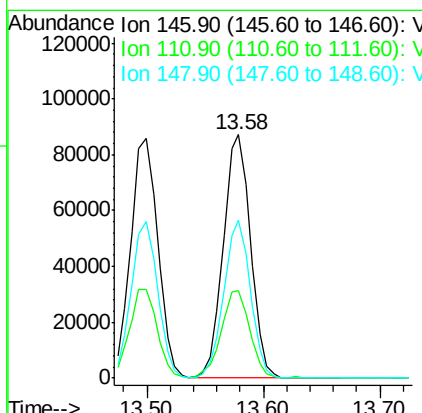
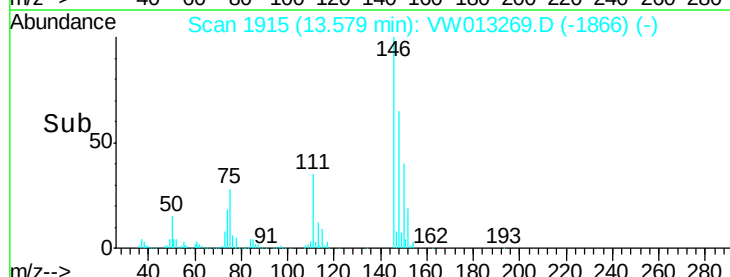
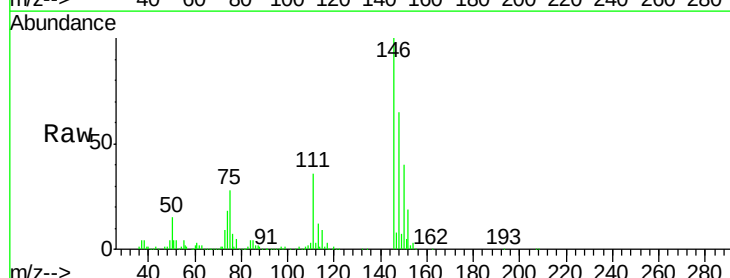
RT: 13.58 min Scan# 1915

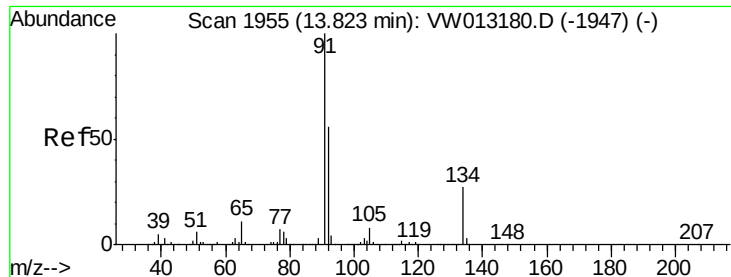
Delta R.T. -0.00 min

Lab File: VW013269.D

Acq: 24 Sep 2019 12:10

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.7	18.4	55.0
148	63.6	32.1	96.3





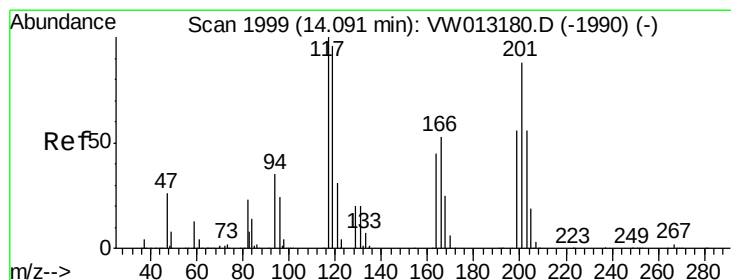
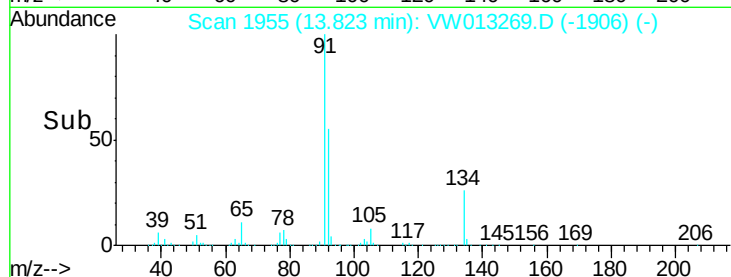
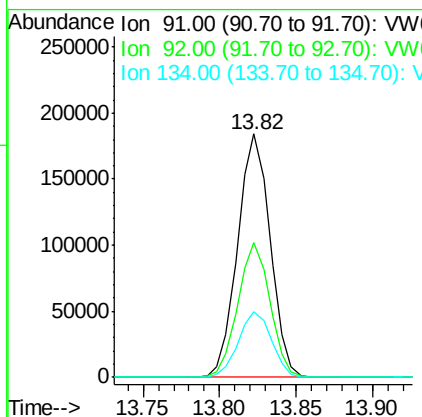
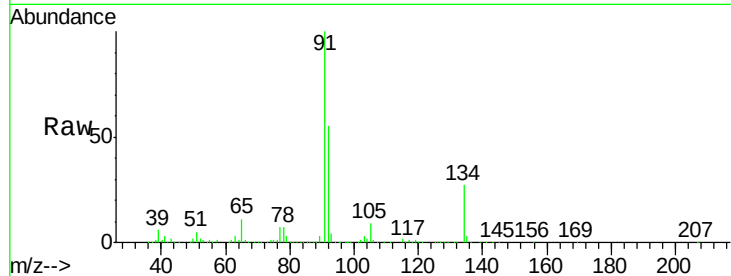
#89
n-Butylbenzene
Concen: 20.606 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW013269.D
Acq: 24 Sep 2019 12:10

Instrument :
MSVOA_W
ClientSampleId :
VW0924SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.7	27.6	82.8
134	27.6	13.7	41.1

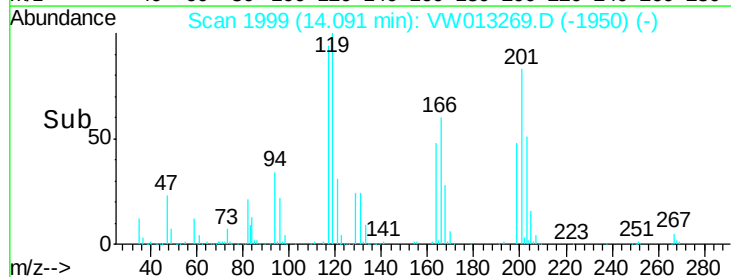
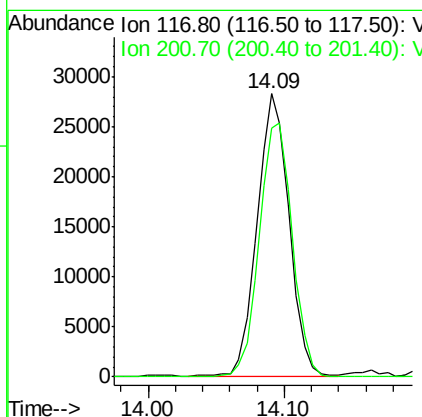
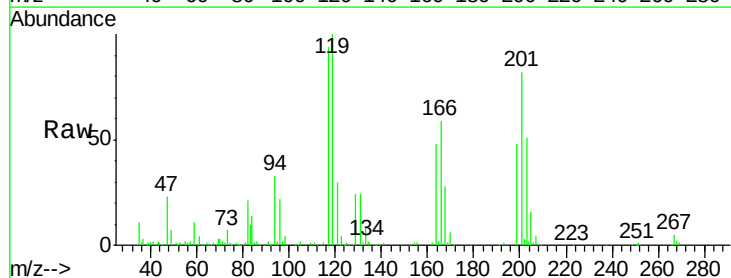
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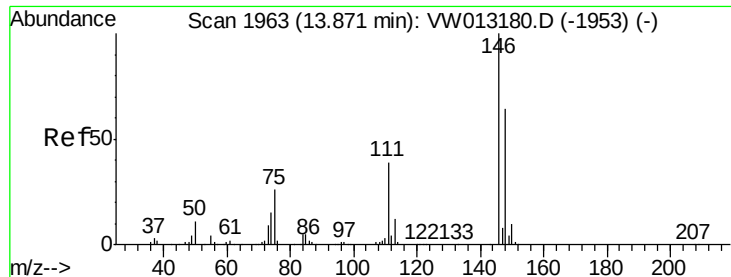
MMDadoda
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#90
Hexachloroethane
Concen: 19.147 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. -0.00 min
Lab File: VW013269.D
Acq: 24 Sep 2019 12:10

Tgt Ion	Ratio	Lower	Upper
117	100		
201	92.8	44.5	133.5





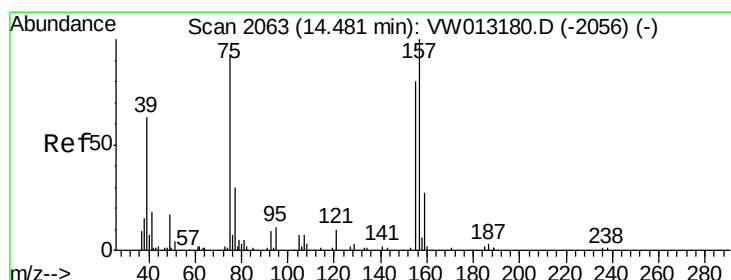
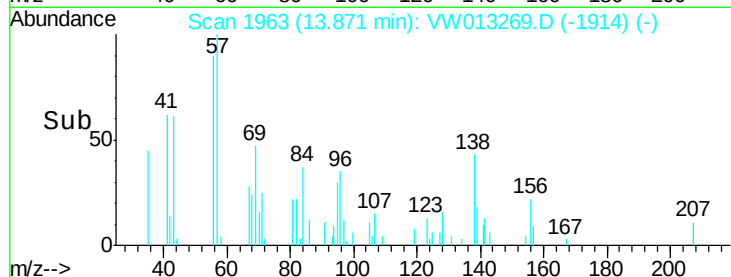
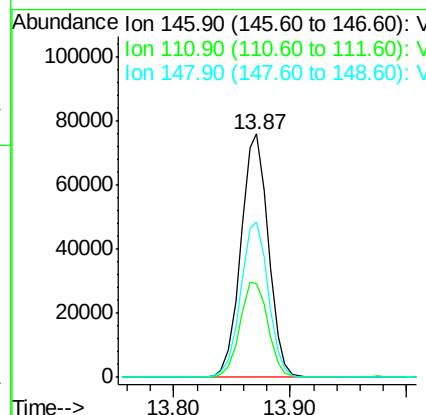
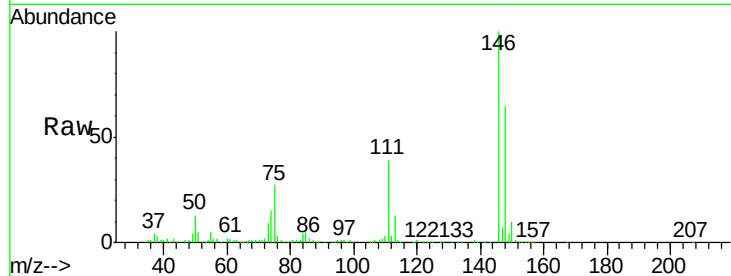
#91
 1,2-Dichlorobenzene
 Concen: 20.725 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW013269.D
 Acq: 24 Sep 2019 12:10

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0924SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.4	20.1	60.3
148	64.1	32.0	96.0

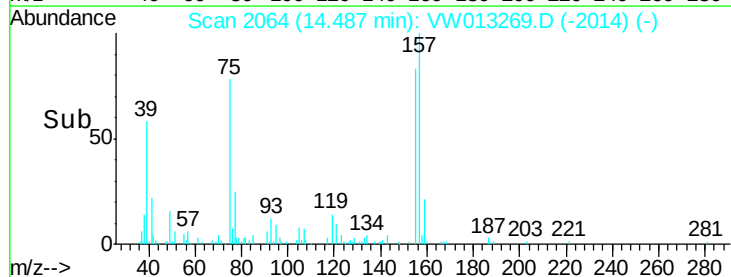
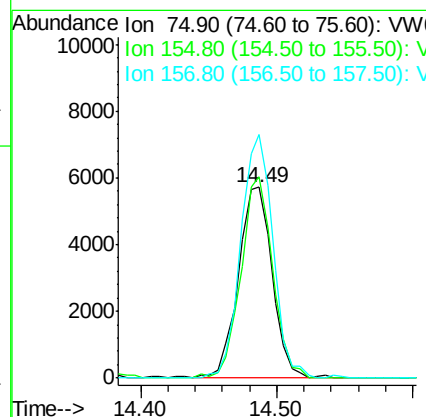
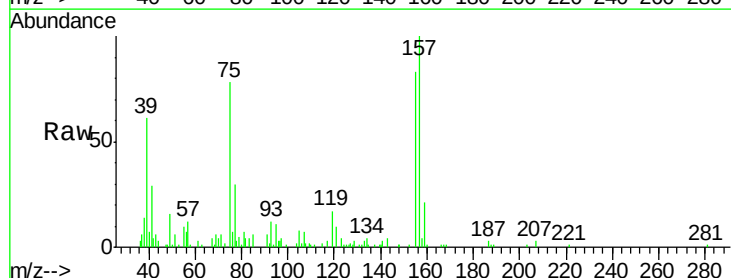
Manual Integrations
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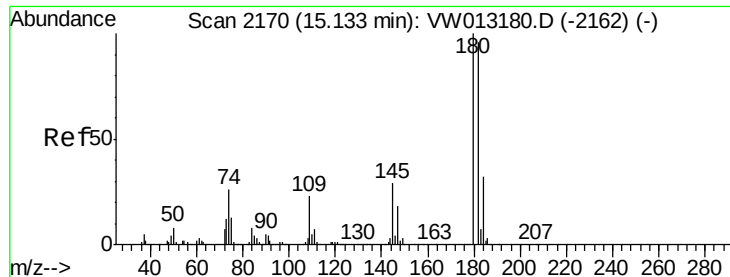
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 25.355 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.01 min
 Lab File: VW013269.D
 Acq: 24 Sep 2019 12:10

Tgt Ion	Ratio	Lower	Upper
75	100		
155	99.1	46.1	138.3
157	121.3	60.4	181.2





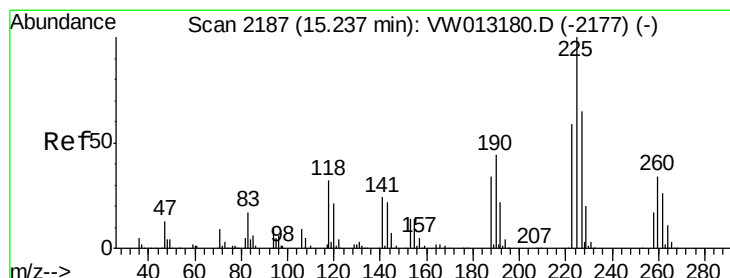
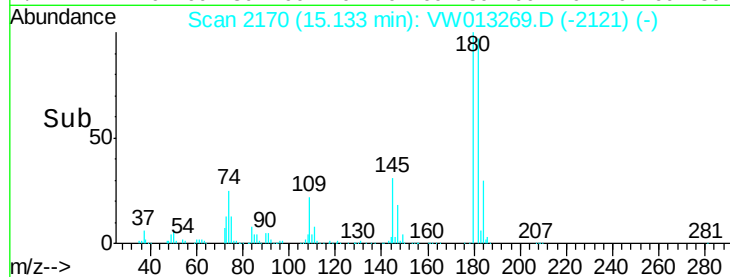
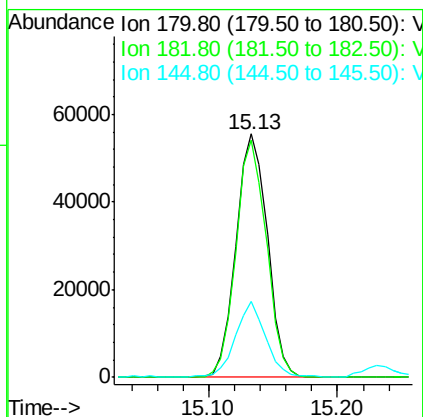
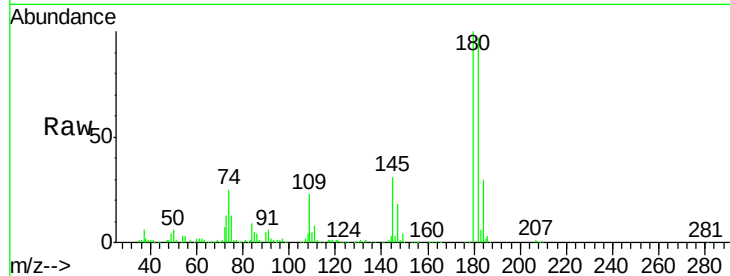
#93
 1,2,4-Trichlorobenzene
 Concen: 21.546 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW013269.D
 Acq: 24 Sep 2019 12:10

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0924SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.2	47.3	142.0	
145	29.8	14.2	42.8	

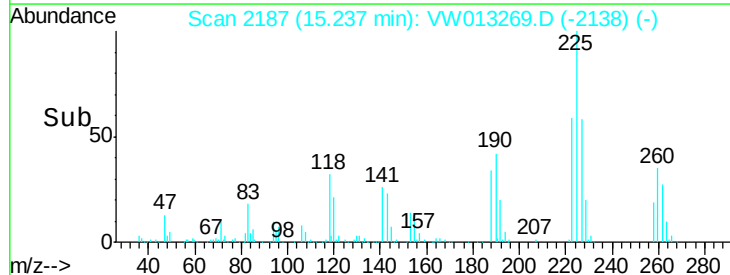
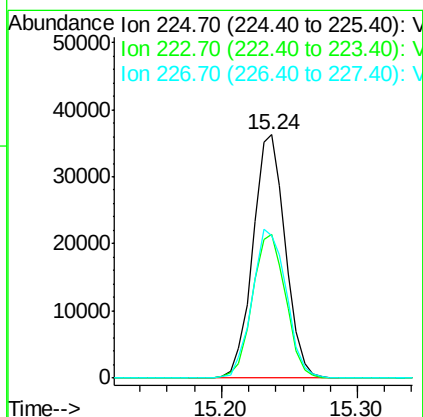
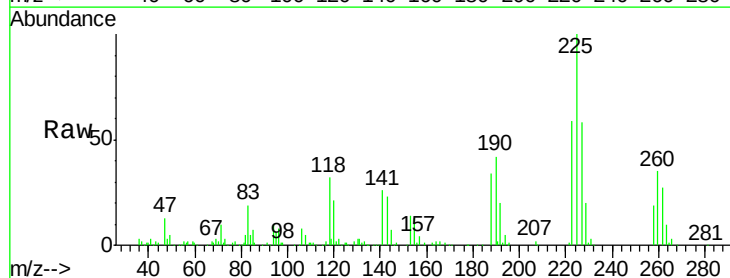
Manual Integrations
 APPROVED

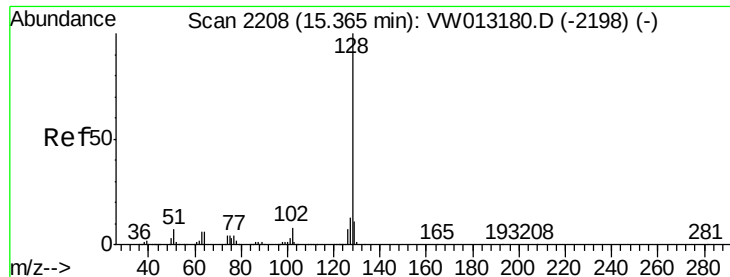
MMDadoda
 9/26/2019 12:37:35 AM



#94
 Hexachlorobutadiene
 Concen: 20.448 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW013269.D
 Acq: 24 Sep 2019 12:10

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	60.8	30.6	91.8	
227	64.2	31.9	95.9	





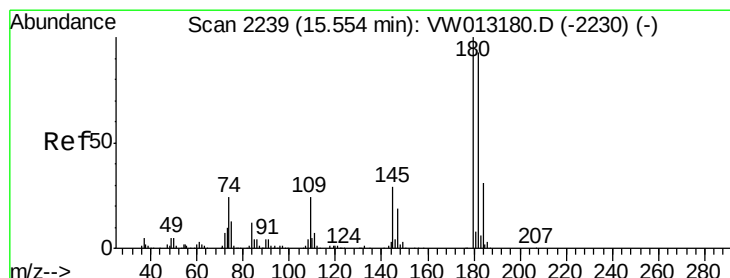
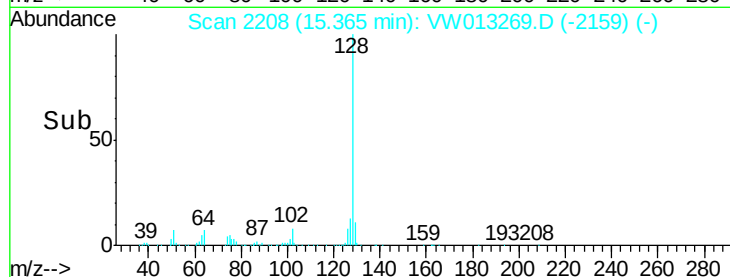
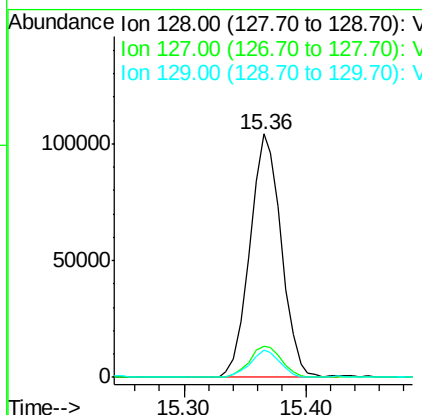
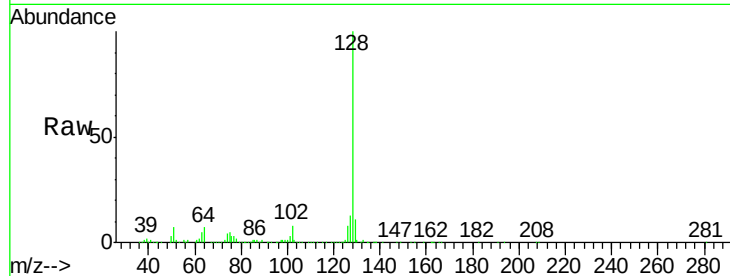
#95
Naphthalene
Concen: 26.258 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VW013269.D
Acq: 24 Sep 2019 12:10

Instrument :
MSVOA_W
ClientSampleId :
VW0924SBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	186045		
127	13.2		10.6	15.8
129	10.6		8.7	13.1

Manual Integrations
APPROVED

MMDadoda
9/26/2019 12:37:35 AM



#96
1,2,3-Trichlorobenzene
Concen: 22.237 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VW013269.D
Acq: 24 Sep 2019 12:10

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	83238		
182	95.5		47.9	143.7
145	33.5		15.0	45.0

