

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082919\
 Data File : VW012321.D
 Acq On : 30 Aug 2019 00:14
 Operator : SY/VA
 Sample : VW0829SBS02
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0829SBS02

Manual Integrations
 APPROVED

MMDadoda
 8/30/2019 11:44:29 AM

Quant Time: Aug 30 09:05:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 26 07:18:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	209737	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	341332	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	294014	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	141248	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	127361	51.08	ug/l	0.00
Spiked Amount 50.000			Recovery =	102.16%		
35) Dibromofluoromethane	7.88	113	101091	49.62	ug/l	0.00
Spiked Amount 50.000			Recovery =	99.24%		
50) Toluene-d8	10.32	98	409279	49.54	ug/l	0.00
Spiked Amount 50.000			Recovery =	99.08%		
62) 4-Bromofluorobenzene	12.62	95	144770	49.71	ug/l	0.00
Spiked Amount 50.000			Recovery =	99.42%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	20139	15.594	ug/l	90
3) Chloromethane	2.21	50	36410	18.198	ug/l	100
4) Vinyl Chloride	2.36	62	44441	18.147	ug/l	96
5) Bromomethane	2.76	94	22521	18.159	ug/l	99
6) Chloroethane	2.92	64	26290	19.030	ug/l	98
7) Trichlorofluoromethane	3.25	101	22220	18.070	ug/l	95
8) Diethyl Ether	3.68	74	24534	21.020	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	4.06	101	41301	19.760	ug/l	98
10) Methyl Iodide	4.27	142	54123	19.138	ug/l	99
11) Tert butyl alcohol	5.18	59	18561	123.704	ug/l	100
12) 1,1-Dichloroethene	4.04	96	39595	18.821	ug/l	96
13) Acrolein	3.90	56	12770	90.414	ug/l	100
14) Allyl chloride	4.67	41	89378	19.873	ug/l	99
15) Acrylonitrile	5.37	53	68357	118.157	ug/l	99
16) Acetone	4.12	43	61030	95.759	ug/l	96
17) Carbon Disulfide	4.38	76	100839	15.860	ug/l	99
18) Methyl Acetate	4.67	43	41933	26.564	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	78864	23.181	ug/l	96
20) Methylene Chloride	4.91	84	57741	23.965	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	43657	19.352	ug/l	97
22) Diisopropyl ether	6.31	45	180133	21.608	ug/l	99
23) Vinyl Acetate	6.25	43	538886	105.036	ug/l	100
24) 1,1-Dichloroethane	6.21	63	93212	20.535	ug/l	99
25) 2-Butanone	7.17	43	94786	109.445	ug/l	99
26) 2,2-Dichloropropane	7.17	77	50208	19.542	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	50184	20.821	ug/l	100
28) Bromochloromethane	7.51	49	42035	21.247	ug/l	99
29) Tetrahydrofuran	7.54	42	62743	120.753	ug/l	100
30) Chloroform	7.67	83	85362	20.555	ug/l	100
31) Cyclohexane	7.96	56	82967	18.475	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	67084	20.420	ug/l	99
36) 1,1-Dichloropropene	8.08	75	69486	19.700	ug/l	100
37) Ethyl Acetate	7.26	43	45047	23.305	ug/l	99
38) Carbon Tetrachloride	8.07	117	58704	19.229	ug/l	98

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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	74269	18.742	ug/l	99
40) Benzene	8.32	78	192403	19.976	ug/l	99
41) Methacrylonitrile	7.48	41	25782	22.695	ug/l	98
42) 1,2-Dichloroethane	8.40	62	63463	21.024	ug/l	100
43) Isopropyl Acetate	8.42	43	80181	22.395	ug/l	99
44) Trichloroethene	9.09	130	47077	20.107	ug/l	92
45) 1,2-Dichloropropane	9.37	63	52809	20.373	ug/l	98
46) Dibromomethane	9.46	93	24895	21.586	ug/l	98
47) Bromodichloromethane	9.64	83	61684	20.096	ug/l	98
48) Methyl methacrylate	9.43	41	37818	22.193	ug/l	98
49) 1,4-Dioxane	9.46	88	8030	454.807	ug/l #	79
51) 4-Methyl-2-Pentanone	10.21	43	212502	116.691	ug/l	99
52) Toluene	10.38	92	116314	20.102	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	63653	20.358	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	74499	19.734	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	35258	21.607	ug/l	98
56) Ethyl methacrylate	10.65	69	52787	22.227	ug/l	99
57) 1,3-Dichloropropane	10.93	76	66117	21.441	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	143352	117.612	ug/l	99
59) 2-Hexanone	10.97	43	143195	111.131	ug/l	99
60) Dibromochloromethane	11.13	129	38259	21.050	ug/l	100
61) 1,2-Dibromoethane	11.23	107	32771	21.557	ug/l	98
64) Tetrachloroethene	10.86	164	41007	21.513	ug/l	99
65) Chlorobenzene	11.66	112	117781	20.344	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	42247	20.918	ug/l	99
67) Ethyl Benzene	11.73	91	228051	20.449	ug/l	99
68) m/p-Xylenes	11.84	106	163283	40.646	ug/l	99
69) o-Xylene	12.16	106	76652	20.616	ug/l	99
70) Styrene	12.18	104	134720	20.934	ug/l	100
71) Bromoform	12.35	173	21602	21.468	ug/l #	100
73) Isopropylbenzene	12.46	105	219195	20.710	ug/l	99
74) N-amyl acetate	12.27	43	71593	22.389	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.71	83	43017	22.170	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	29186m	21.216	ug/l	
77) Bromobenzene	12.74	156	48111	21.012	ug/l	99
78) n-propylbenzene	12.80	91	265896	20.579	ug/l	99
79) 2-Chlorotoluene	12.89	91	151003	20.585	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	184651	20.879	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	12786	20.378	ug/l	96
82) 4-Chlorotoluene	12.99	91	157299	20.479	ug/l	99
83) tert-Butylbenzene	13.21	119	157707	21.051	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	183996	20.711	ug/l	99
85) sec-Butylbenzene	13.38	105	222314	20.713	ug/l	100
86) p-Isopropyltoluene	13.50	119	199070	20.769	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	92992	20.764	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	91483	20.572	ug/l	98
89) n-Butylbenzene	13.82	91	193615	20.312	ug/l	100
90) Hexachloroethane	14.09	117	34310	20.402	ug/l	96
91) 1,2-Dichlorobenzene	13.87	146	83127	21.158	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	7684	23.490	ug/l	94

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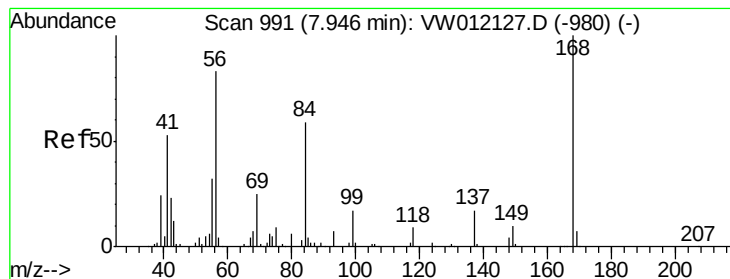
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	57006	20.996	ug/l	99
94) Hexachlorobutadiene	15.23	225	38400	21.419	ug/l	98
95) Naphthalene	15.36	128	112534	23.618	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	51549	21.761	ug/l	97

(#) = 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: VW012321.D

Acq: 30 Aug 2019 00:14

Instrument :

MSVOA_W

ClientSampleId :

VW0829SBS02

Tot Ion:168 Resp: 209737

Ion Ratio Lower Upper

168 100

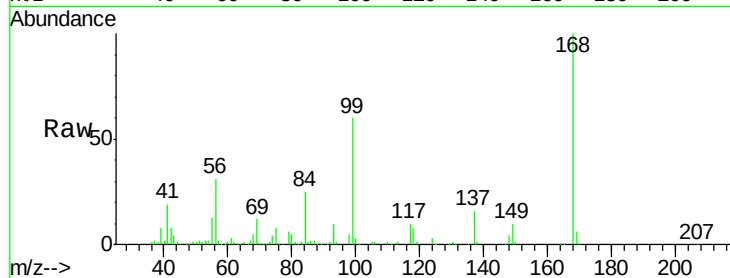
99 59.7 49.2 73.8

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

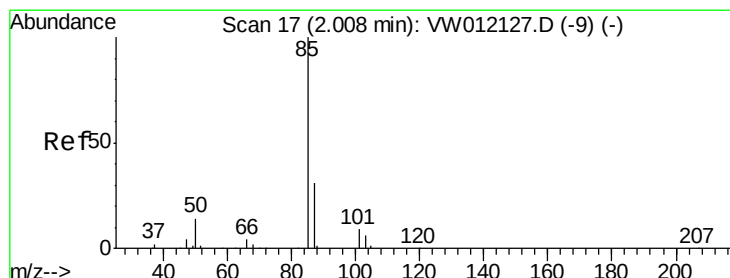
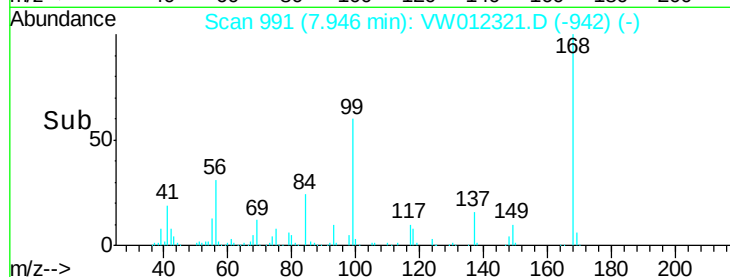
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 15.594 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW012321.D

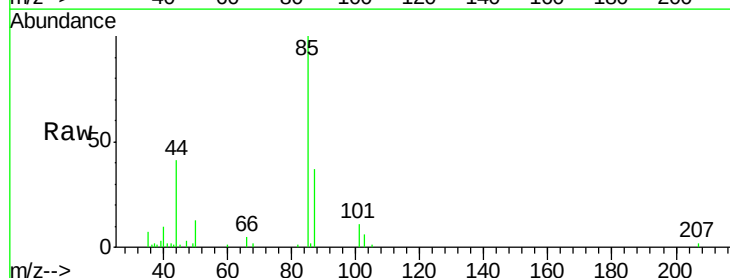
Acq: 30 Aug 2019 00:14

Tgt Ion: 85 Resp: 20139

Ion Ratio Lower Upper

85 100

87 36.6 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

8000

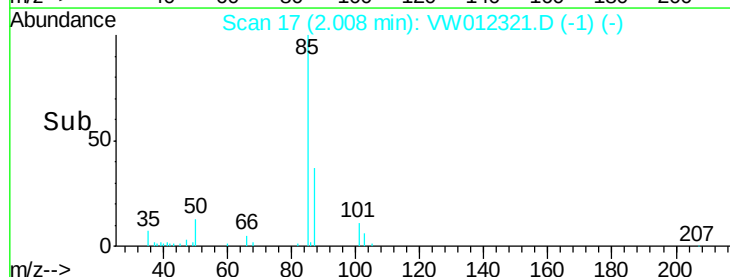
6000

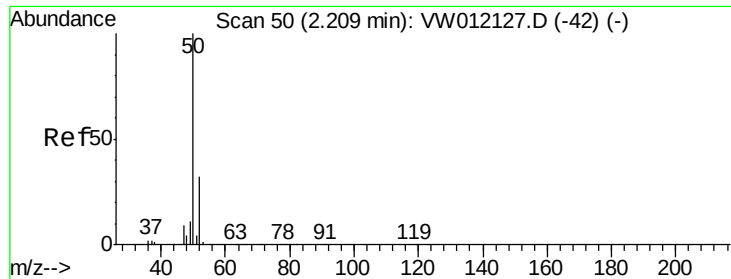
4000

2000

0

Time--> 1.90 2.00 2.10





#3

Chloromethane

Concen: 18.198 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW012321.D

Acq: 30 Aug 2019 00:14

Instrument :

MSVOA_W

ClientSampleId :

VW0829SBS02

Tot Ion: 50 Resp: 36410

Ion Ratio Lower Upper

50 100

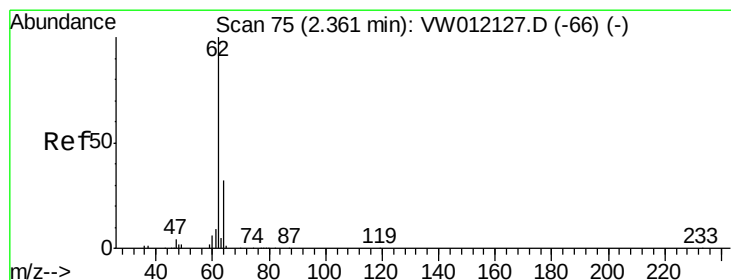
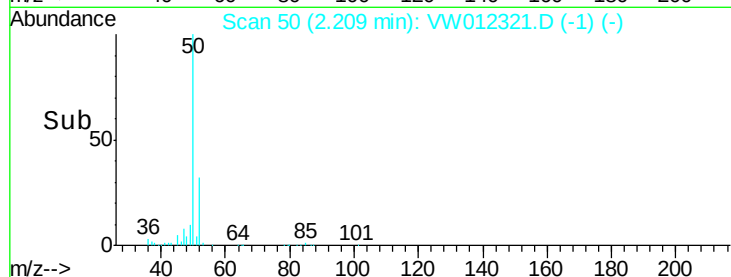
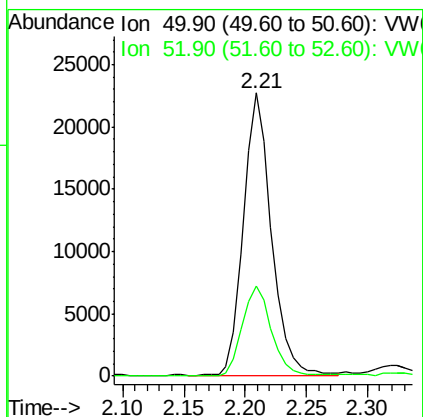
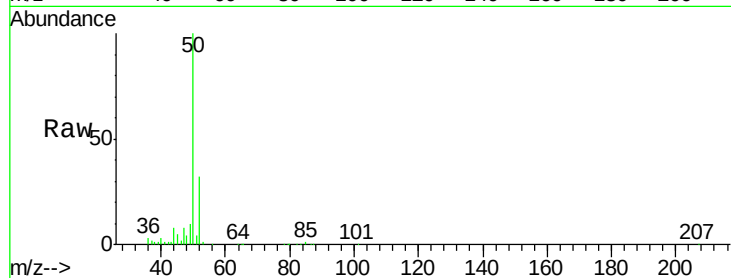
52 31.7 25.5 38.3

Manual Integrations

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#4

Vinyl Chloride

Concen: 18.147 ug/l

RT: 2.36 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW012321.D

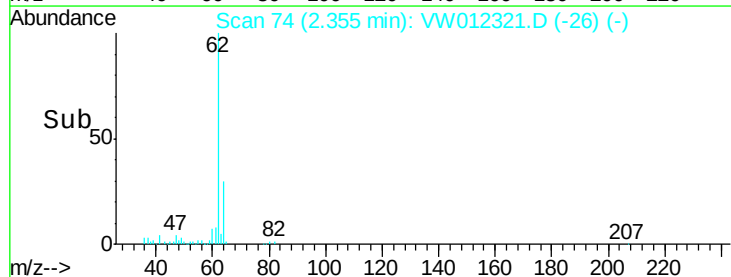
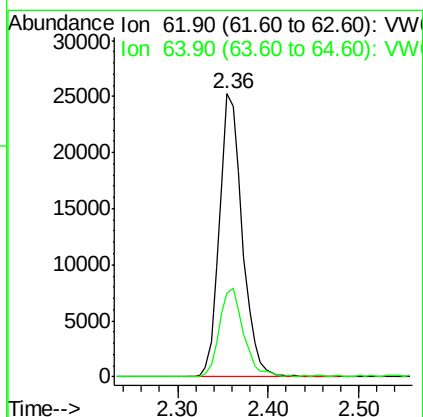
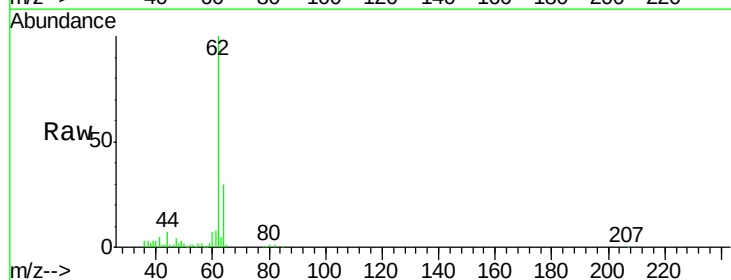
Acq: 30 Aug 2019 00:14

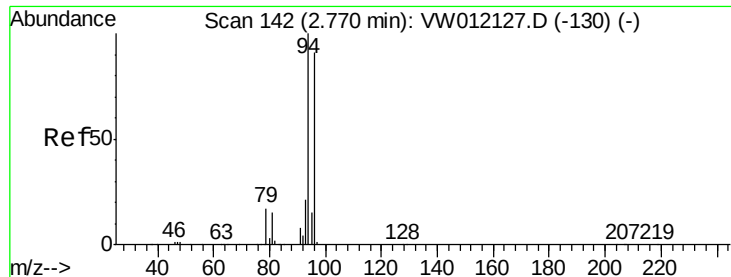
Tgt Ion: 62 Resp: 44441

Ion Ratio Lower Upper

62 100

64 29.3 25.3 37.9





#5

Bromomethane

Concen: 18.159 ug/l

RT: 2.76 min Scan# 141

Delta R.T. -0.01 min

Lab File: VW012321.D

Acq: 30 Aug 2019 00:14

Instrument :

MSVOA_W

ClientSampleId :

VW0829SBS02

Tot Ion: 94 Resp: 22521

Ion Ratio Lower Upper

94 100

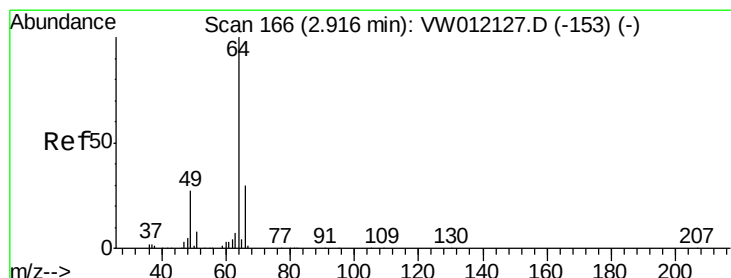
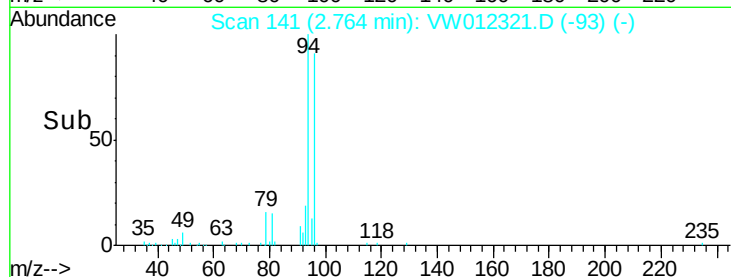
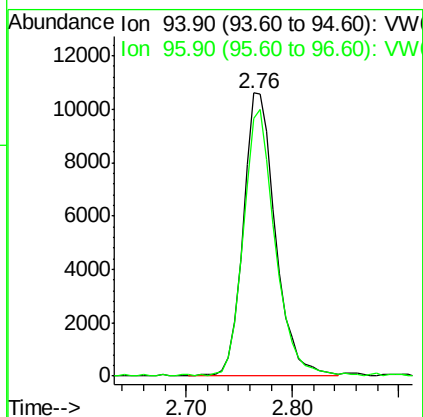
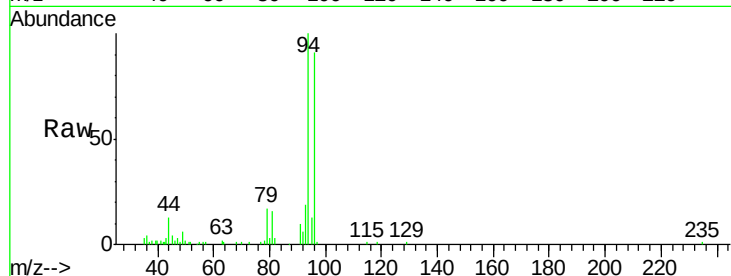
96 90.3 72.9 109.3

Manual Integrations

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#6

Chloroethane

Concen: 19.030 ug/l

RT: 2.92 min Scan# 166

Delta R.T. 0.00 min

Lab File: VW012321.D

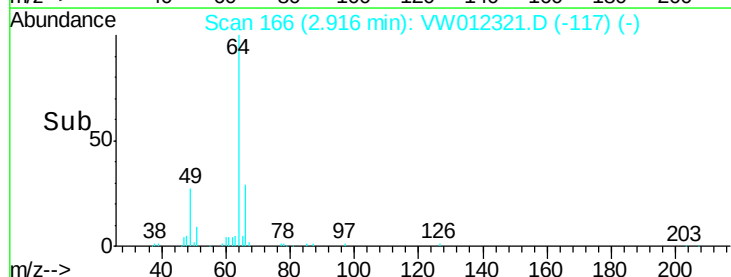
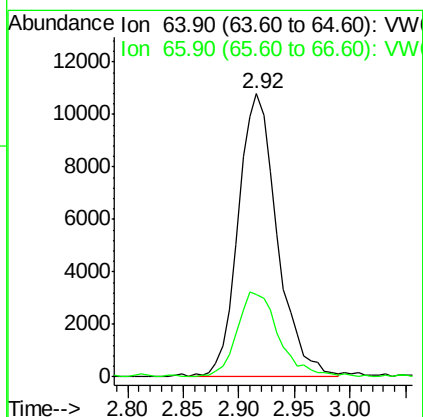
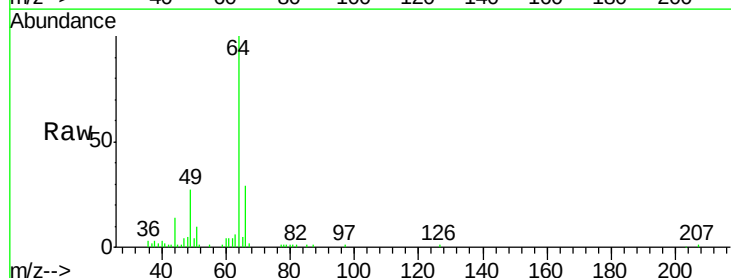
Acq: 30 Aug 2019 00:14

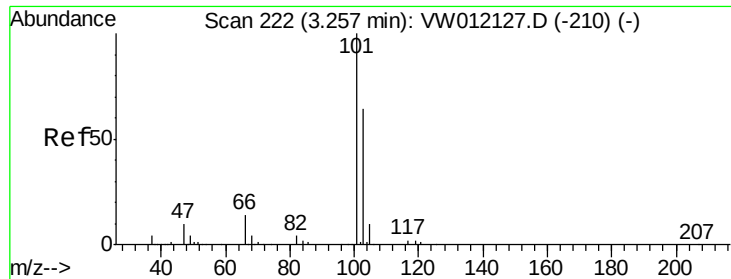
Tgt Ion: 64 Resp: 26290

Ion Ratio Lower Upper

64 100

66 28.9 23.8 35.8





#7

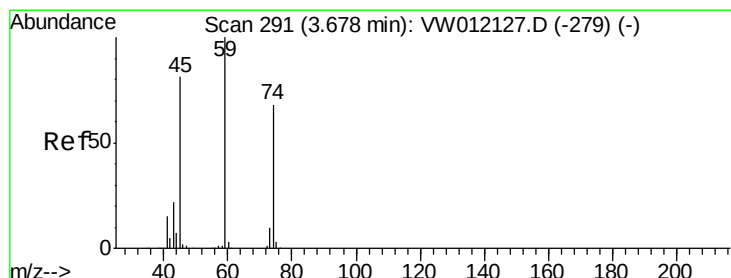
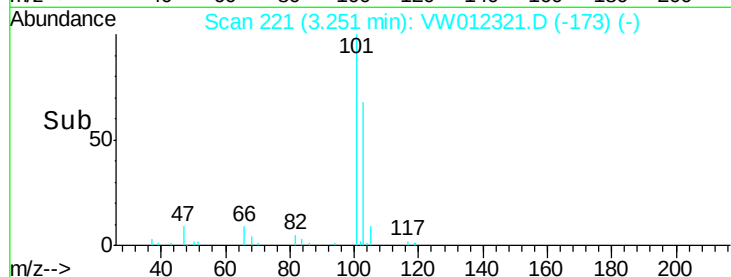
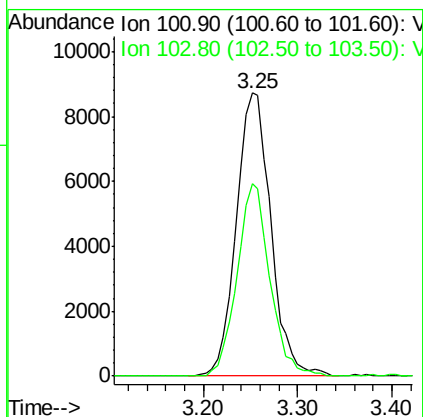
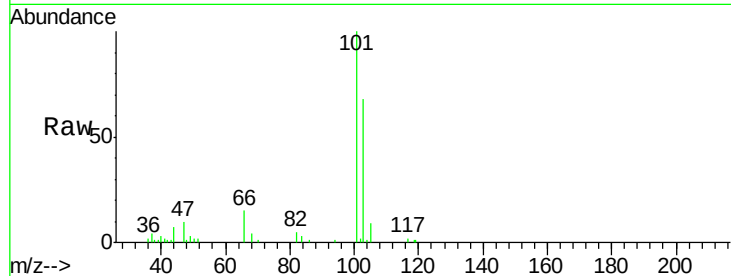
Trichlorofluoromethane
Concen: 18.070 ug/l
RT: 3.25 min Scan# 221
Delta R.T. -0.01 min
Lab File: VW012321.D
Acq: 30 Aug 2019 00:14

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ClientSampleId :
VW0829SBS02

Tot Ion	Ratio	Lower	Upper
101	100		
103	67.9	51.2	76.8

Manual Integrations
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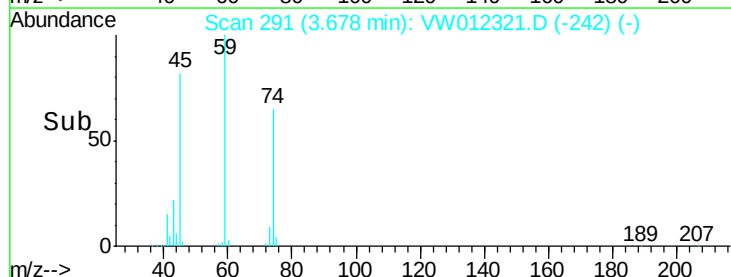
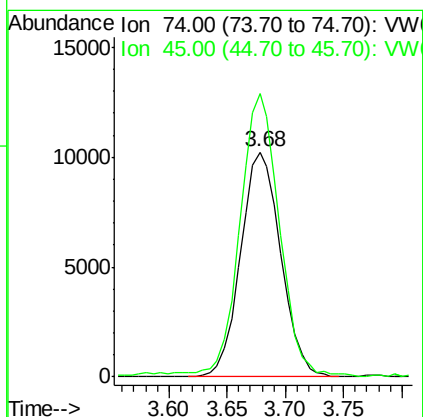
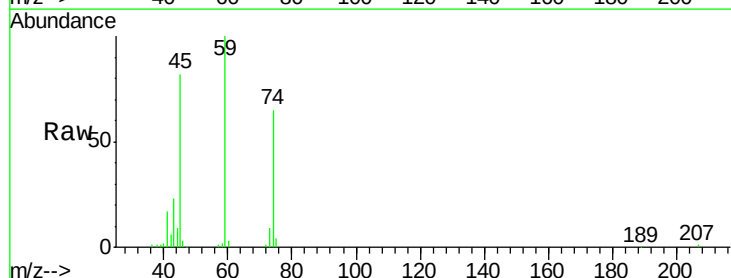
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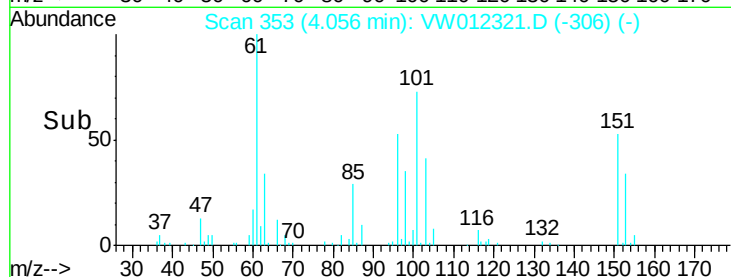
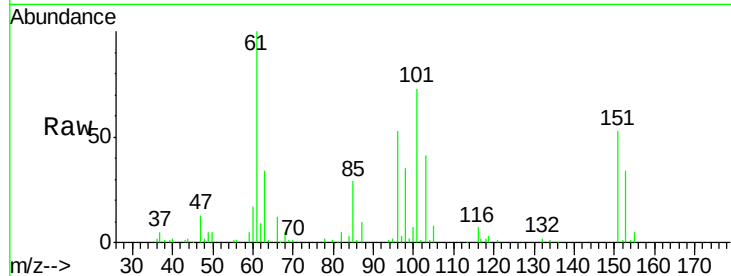
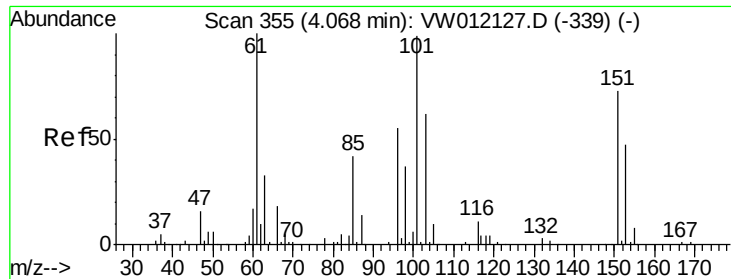


#8

Diethyl Ether
Concen: 21.020 ug/l
RT: 3.68 min Scan# 291
Delta R.T. 0.00 min
Lab File: VW012321.D
Acq: 30 Aug 2019 00:14

Tgt Ion	Ratio	Lower	Upper
74	100		
45	124.6	59.2	177.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.760 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW012321.D

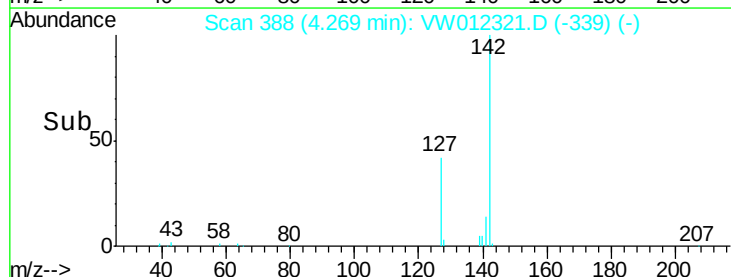
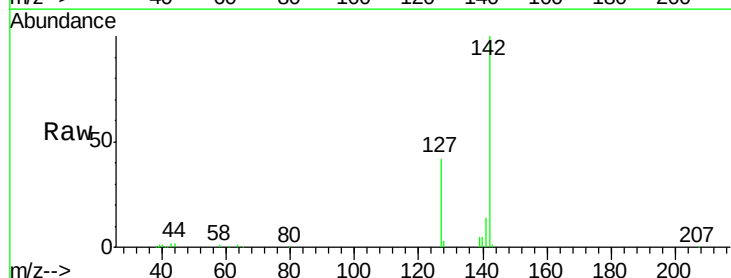
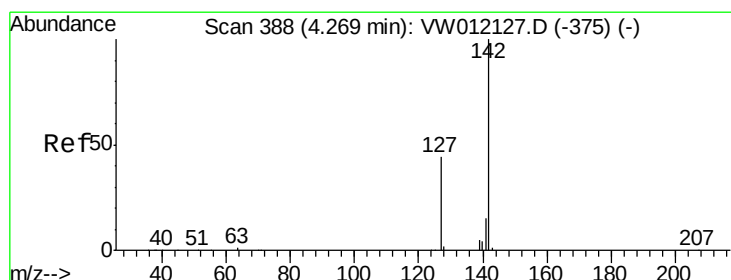
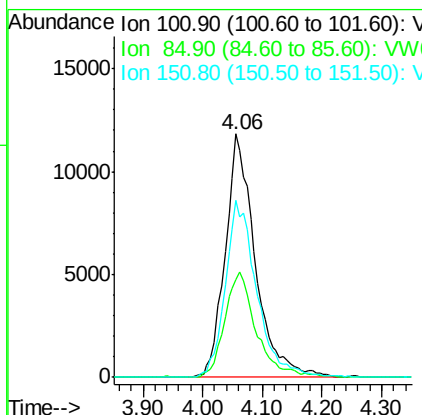
Acq: 30 Aug 2019 00:14

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MSVOA_W
ClientSampleId :
VW0829SBS02

Tot Ion	Ratio	Resp	Lower	Upper
101	100	41301		
85	44.5	35.8	53.6	
151	75.8	58.6	87.8	

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#10

Methyl Iodide

Concen: 19.138 ug/l

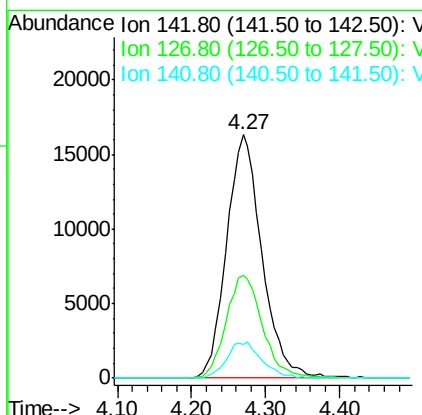
RT: 4.27 min Scan# 388

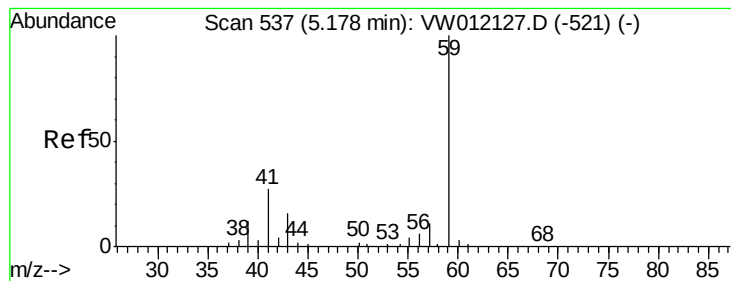
Delta R.T. 0.00 min

Lab File: VW012321.D

Acq: 30 Aug 2019 00:14

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	54123		
127	43.6	35.5	53.3	
141	14.7	11.8	17.8	





#11

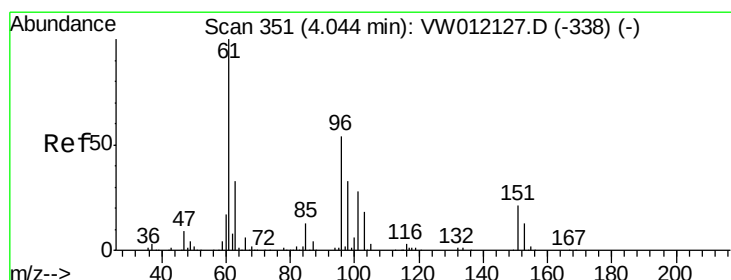
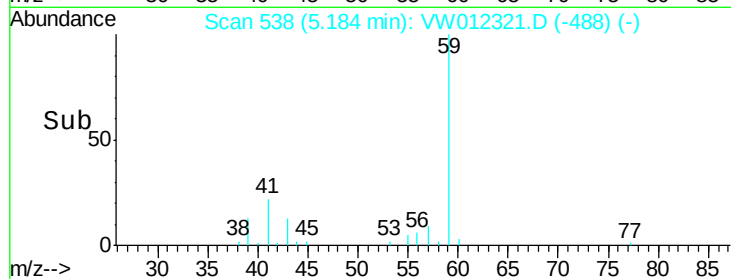
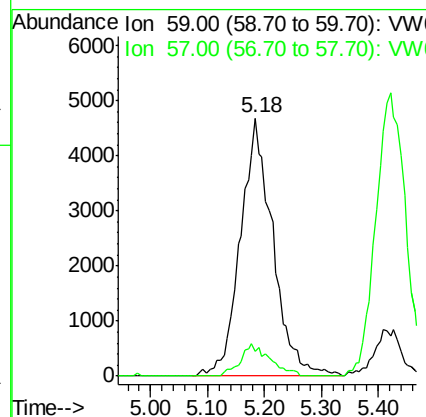
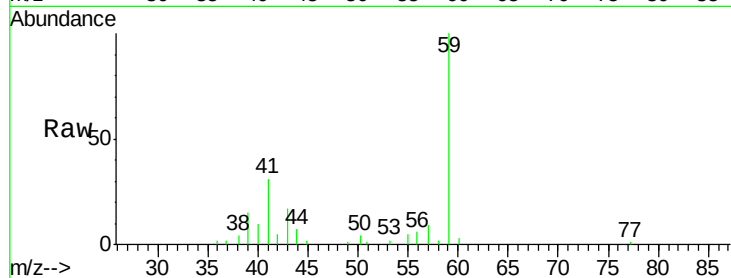
Tert butyl alcohol
Concen: 123.704 ug/l
RT: 5.18 min Scan# 538
Delta R.T. 0.01 min
Lab File: VW012321.D
Acq: 30 Aug 2019 00:14

Instrument :
MSVOA_W
ClientSampleId :
VW0829SBS02

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.3	9.0	13.4

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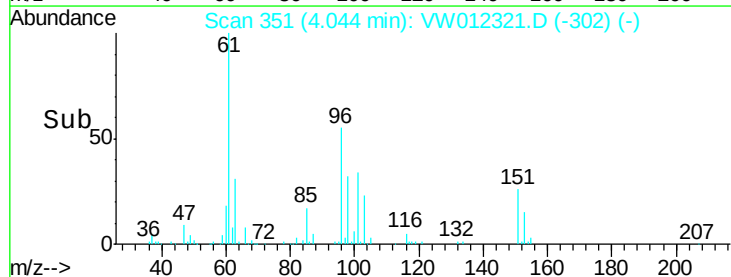
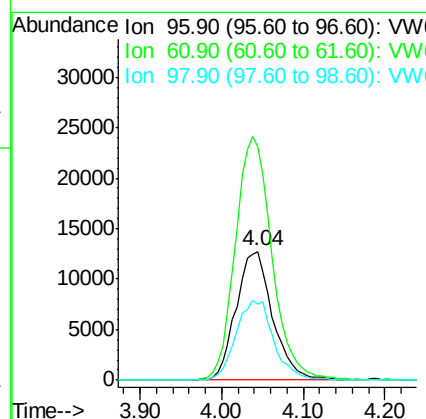
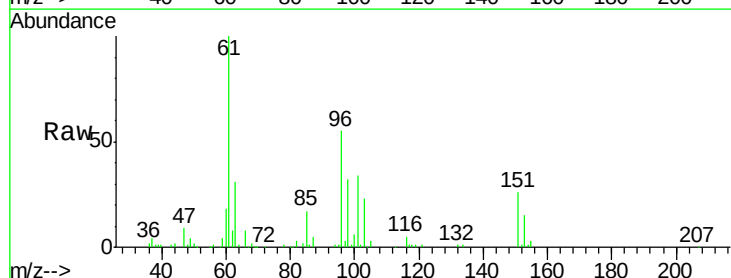
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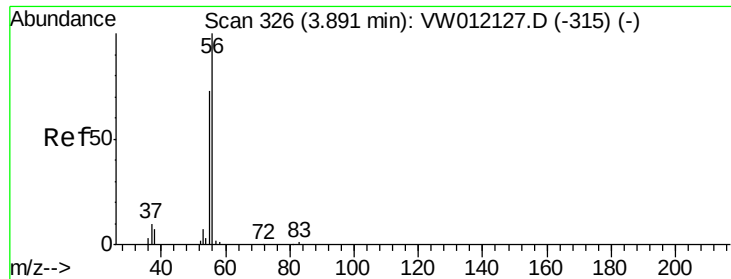


#12

1,1-Dichloroethene
Concen: 18.821 ug/l
RT: 4.04 min Scan# 351
Delta R.T. 0.00 min
Lab File: VW012321.D
Acq: 30 Aug 2019 00:14

Tgt Ion	Ratio	Lower	Upper
96	100		
61	181.5	149.1	223.7
98	58.7	49.4	74.2





#13

Acrolein

Concen: 90.414 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.01 min

Lab File: VW012321.D

Acq: 30 Aug 2019 00:14

Instrument :

MSVOA_W

ClientSampleId :

VW0829SBS02

Tot Ion: 56 Resp: 12770

Ion Ratio Lower Upper

56 100

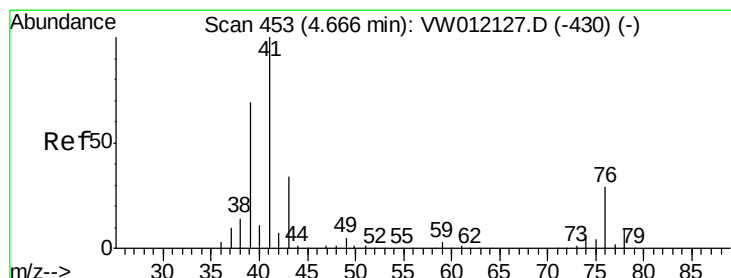
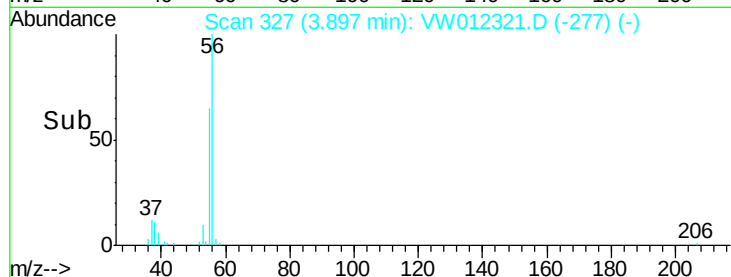
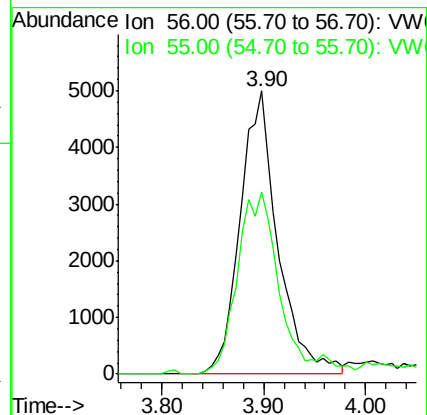
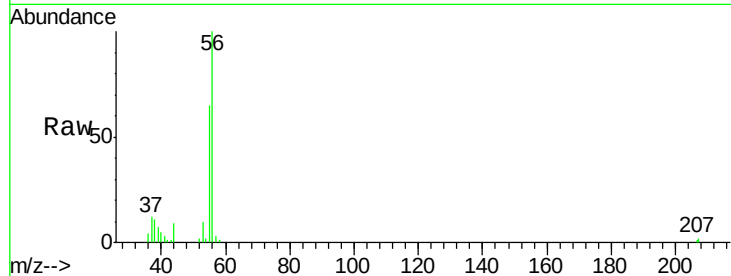
55 69.5 55.8 83.8

Manual Integrations

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#14

Allyl chloride

Concen: 19.873 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW012321.D

Acq: 30 Aug 2019 00:14

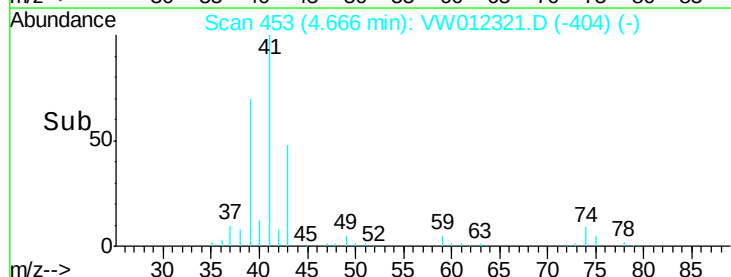
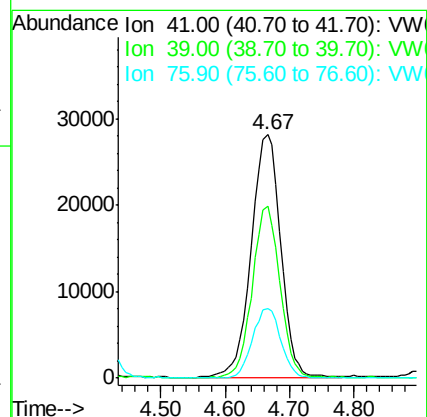
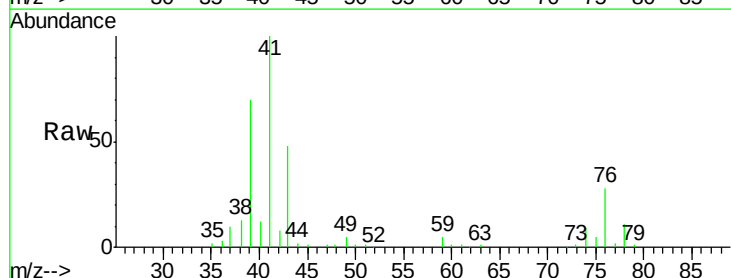
Tgt Ion: 41 Resp: 89378

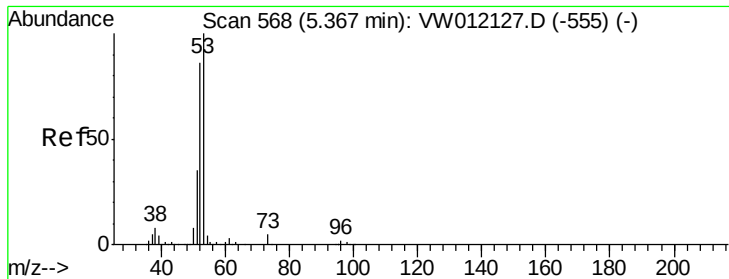
Ion Ratio Lower Upper

41 100

39 66.1 53.4 80.2

76 27.1 22.1 33.1





#15

Acrylonitrile

Concen: 118.157 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.00 min

Lab File: VW012321.D

Acq: 30 Aug 2019 00:14

Instrument :

MSVOA_W

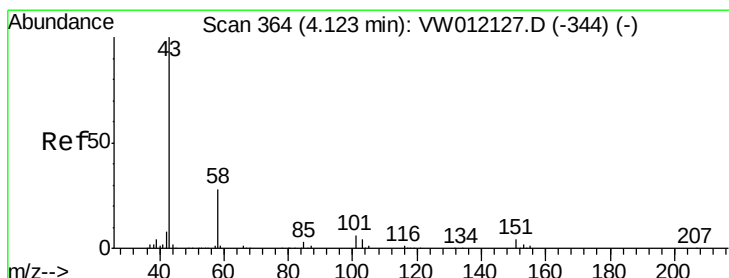
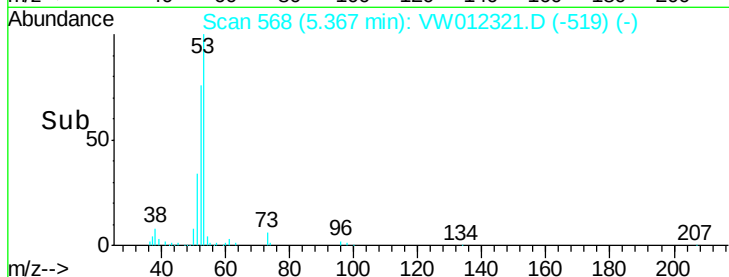
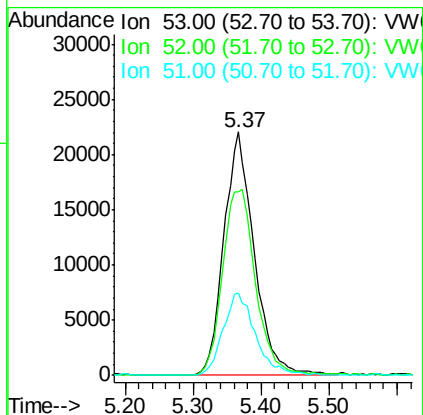
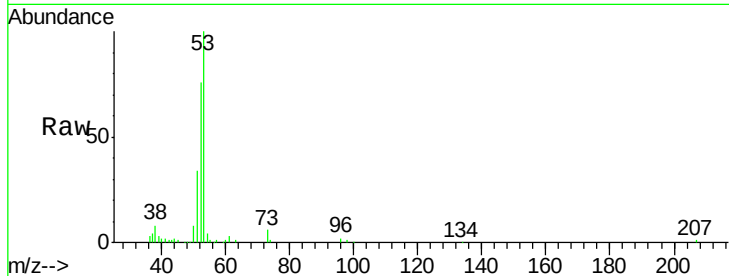
ClientSampleId :

VW0829SBS02

Tot Ion:	53	Resp:	68357
Ion	Ratio	Lower	Upper
53	100		
52	82.9	66.7	100.1
51	36.2	30.1	45.1

Manual Integrations
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#16

Acetone

Concen: 95.759 ug/l

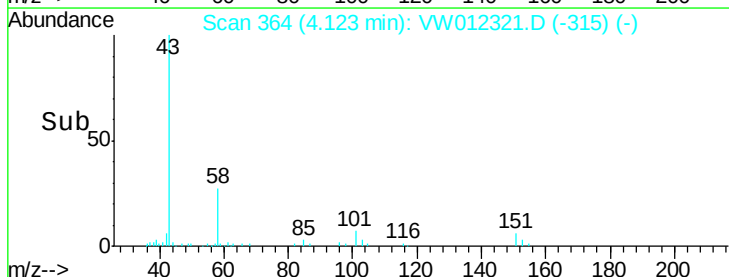
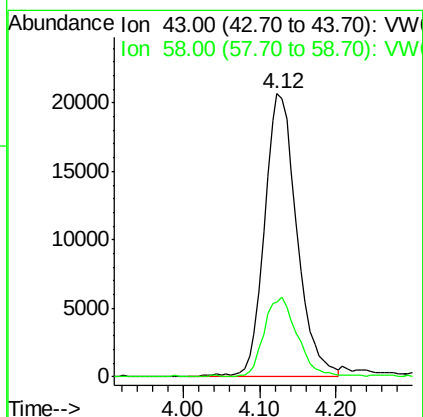
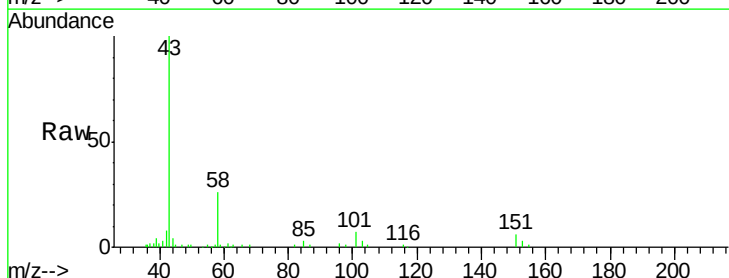
RT: 4.12 min Scan# 364

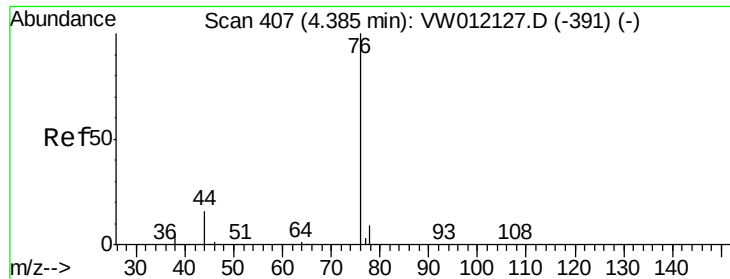
Delta R.T. 0.00 min

Lab File: VW012321.D

Acq: 30 Aug 2019 00:14

Tgt Ion:	43	Resp:	61030
Ion	Ratio	Lower	Upper
43	100		
58	26.1	22.4	33.6





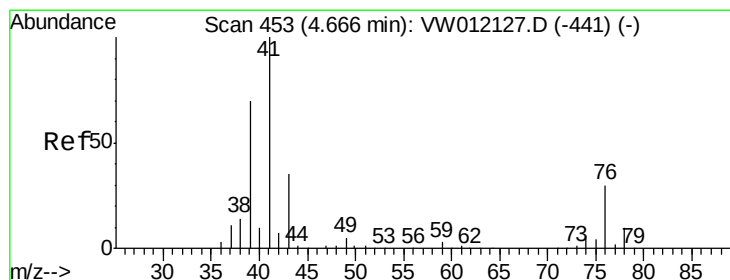
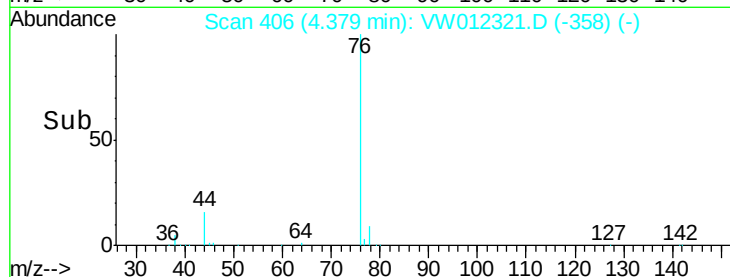
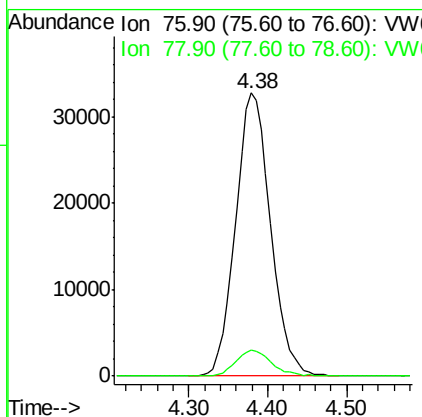
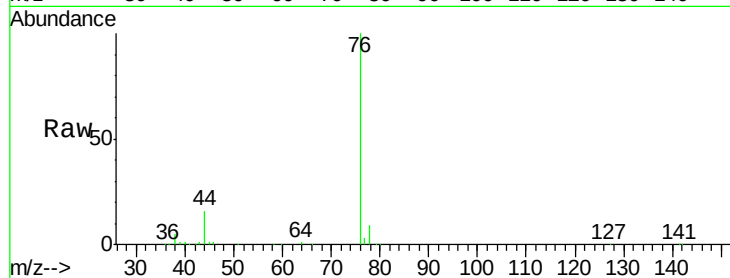
#17
Carbon Disulfide
Concen: 15.860 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.01 min
Lab File: VW012321.D
Acq: 30 Aug 2019 00:14

Instrument :
MSVOA_W
ClientSampleId :
VW0829SBSD02

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.4	7.3	10.9

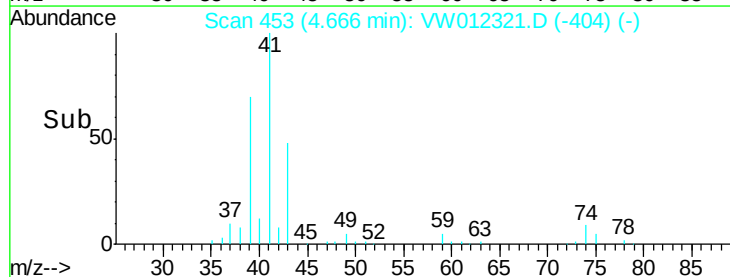
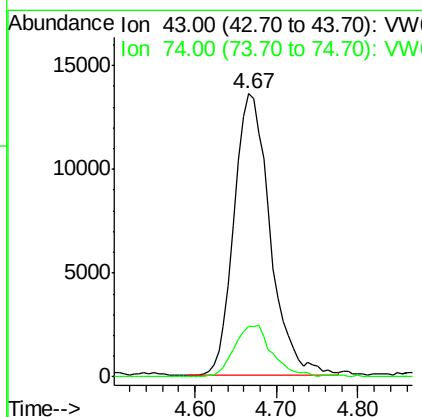
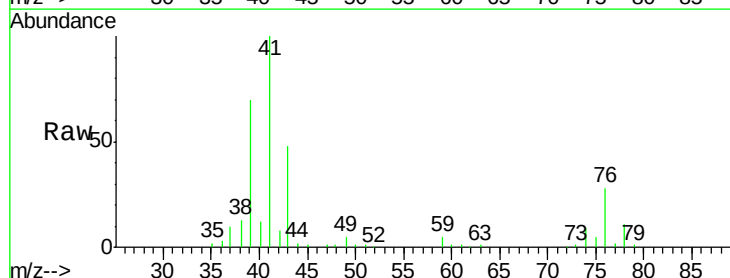
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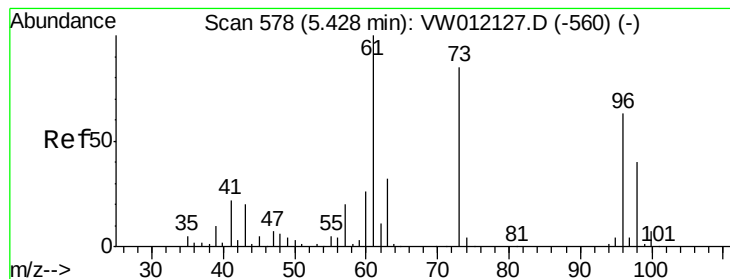
MMDadoda
8/30/2019 11:44:29 AM



#18
Methyl Acetate
Concen: 26.564 ug/l
RT: 4.67 min Scan# 453
Delta R.T. 0.00 min
Lab File: VW012321.D
Acq: 30 Aug 2019 00:14

Tgt Ion	Ratio	Lower	Upper
43	100		
74	18.8	15.7	23.5





#19

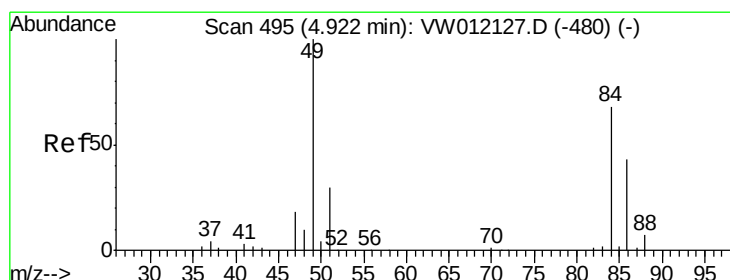
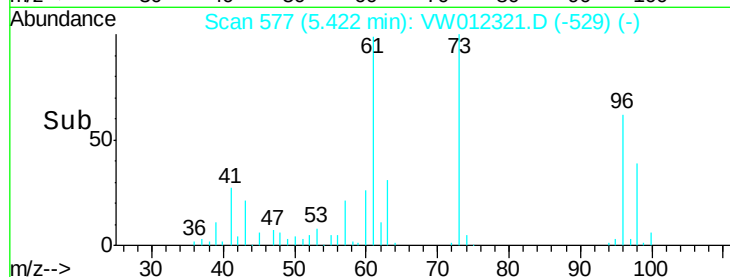
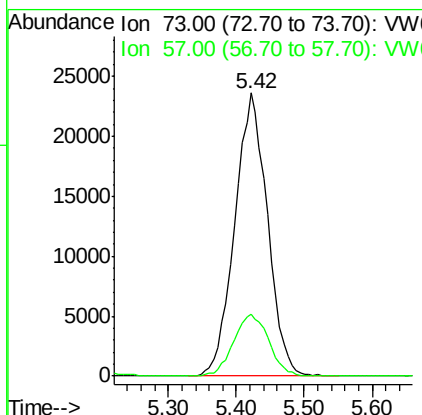
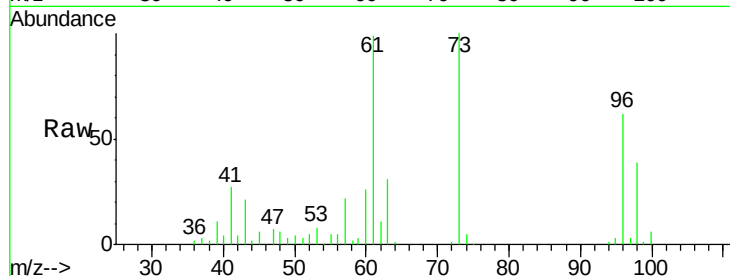
Methyl tert-butyl Ether
 Concen: 23.181 ug/l
 RT: 5.42 min Scan# 577
 Delta R.T. -0.01 min
 Lab File: VW012321.D
 Acq: 30 Aug 2019 00:14

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0829SBS02

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.8	18.9	28.3

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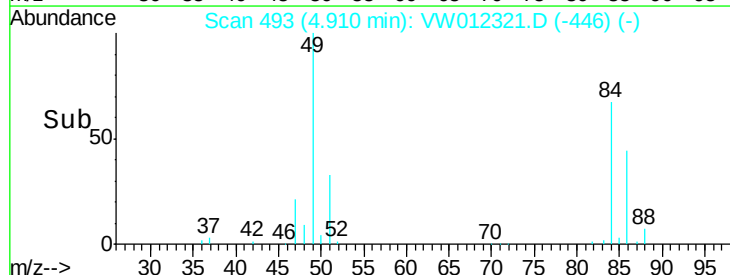
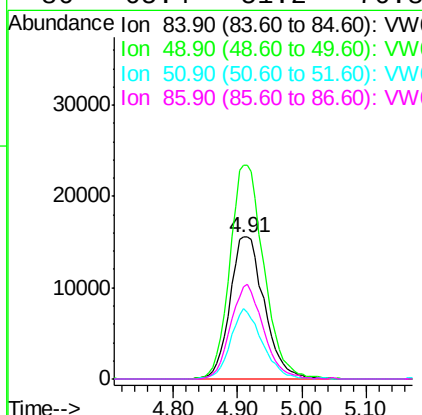
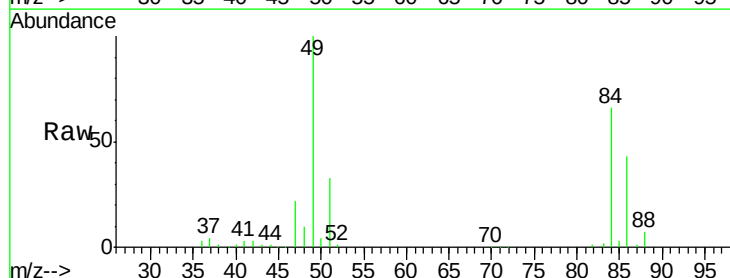
MMDadoda
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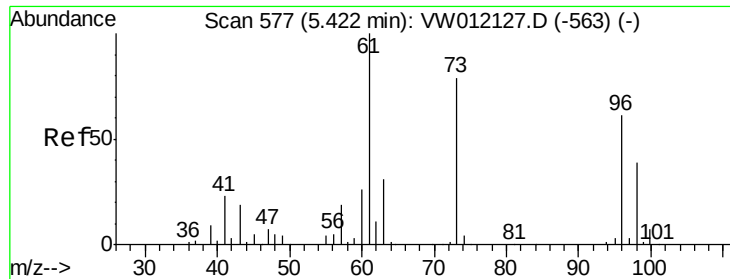


#20

Methylene Chloride
 Concen: 23.965 ug/l
 RT: 4.91 min Scan# 493
 Delta R.T. -0.01 min
 Lab File: VW012321.D
 Acq: 30 Aug 2019 00:14

Tgt Ion	Ratio	Lower	Upper
84	100		
49	150.7	117.8	176.8
51	49.5	35.6	53.4
86	65.4	51.2	76.8





#21

trans-1,2-Dichloroethene

Concen: 19.352 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW012321.D

Acq: 30 Aug 2019 00:14

Instrument :

MSVOA_W

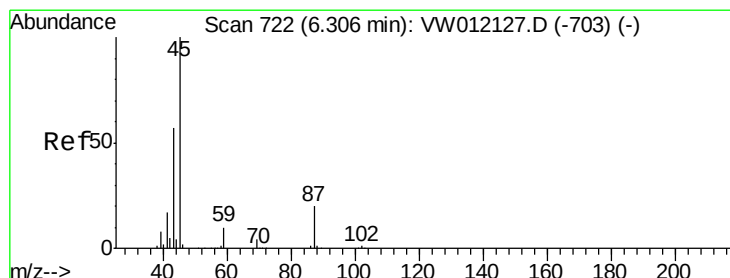
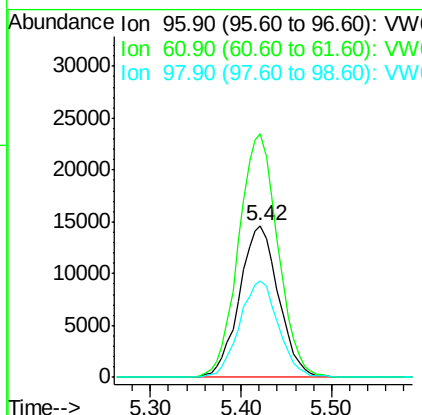
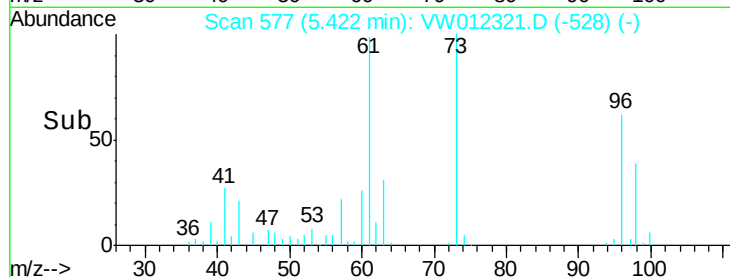
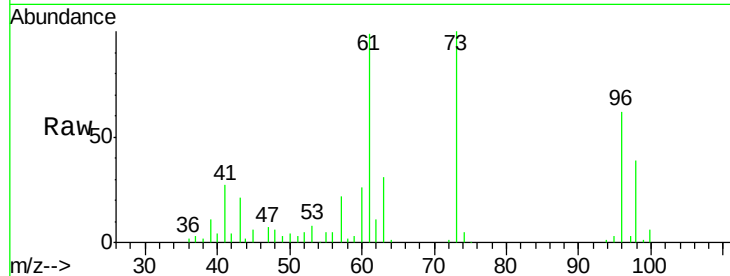
ClientSampleId :

VW0829SBS02

Tot Ion:	96	Resp:	43657
Ion	Ratio	Lower	Upper
96	100		
61	160.1	131.4	197.0
98	63.3	51.4	77.0

Manual Integrations
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#22

Diisopropyl ether

Concen: 21.608 ug/l

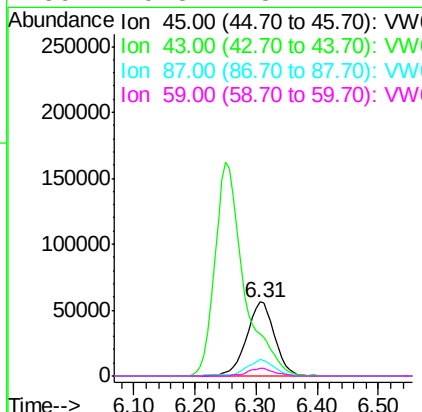
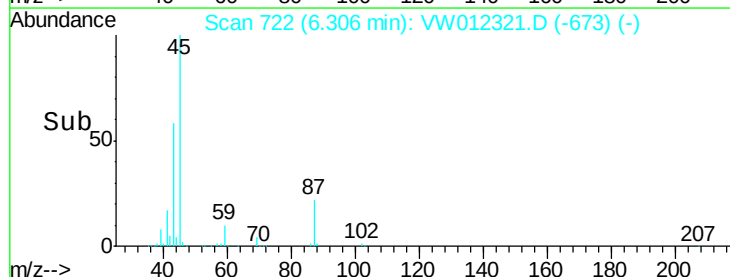
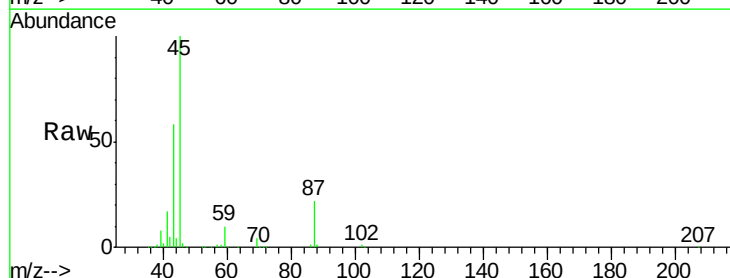
RT: 6.31 min Scan# 722

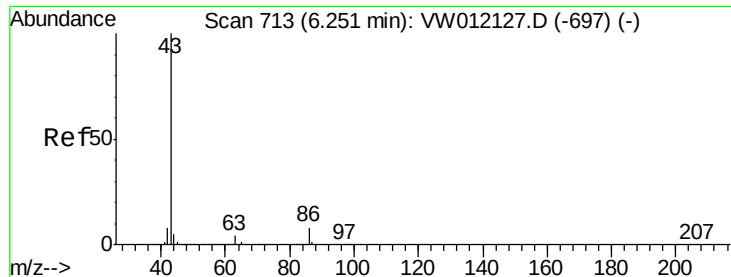
Delta R.T. 0.00 min

Lab File: VW012321.D

Acq: 30 Aug 2019 00:14

Tgt Ion:	45	Resp:	180133
Ion	Ratio	Lower	Upper
45	100		
43	57.1	45.5	68.3
87	21.8	16.1	24.1
59	9.8	8.2	12.2





#23

Vinyl Acetate

Concen: 105.036 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW012321.D

Acq: 30 Aug 2019 00:14

Tot Ion: 43 Resp: 538886

Ion Ratio Lower Upper

43 100

86 7.9 6.5 9.7

Instrument :

MSVOA_W

ClientSampleId :

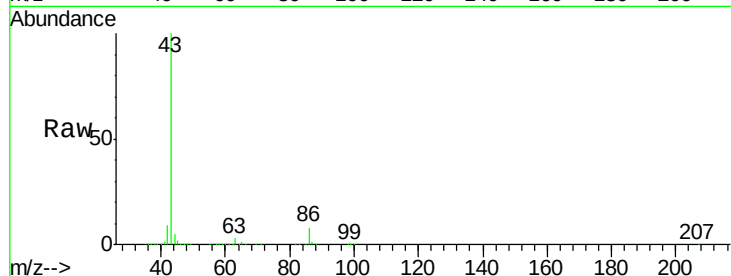
VW0829SBS02

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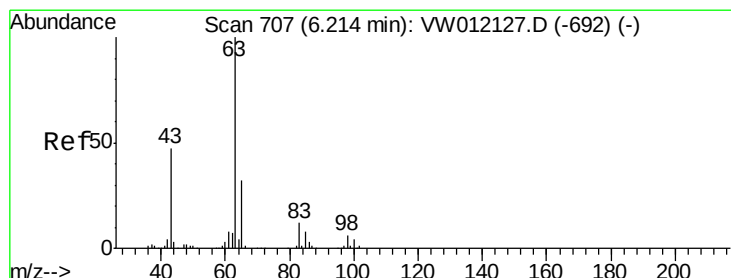
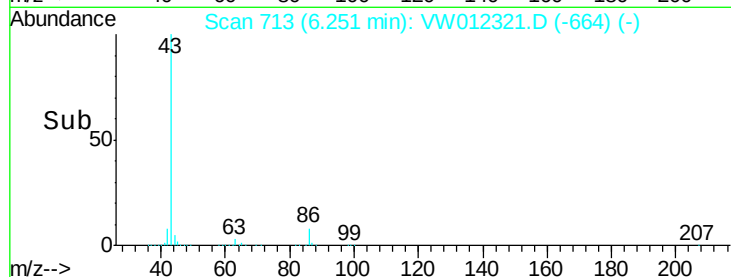
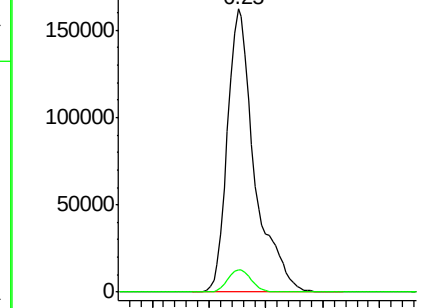
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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 20.535 ug/l

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW012321.D

Acq: 30 Aug 2019 00:14

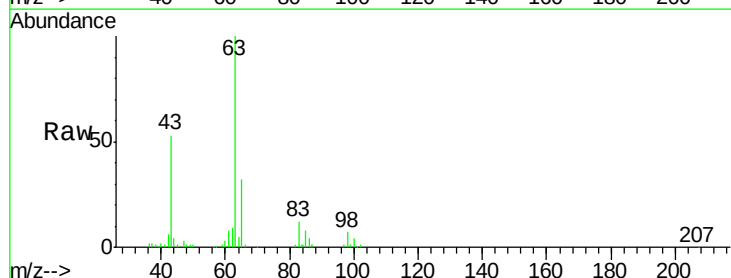
Tgt Ion: 63 Resp: 93212

Ion Ratio Lower Upper

63 100

98 6.8 3.0 9.2

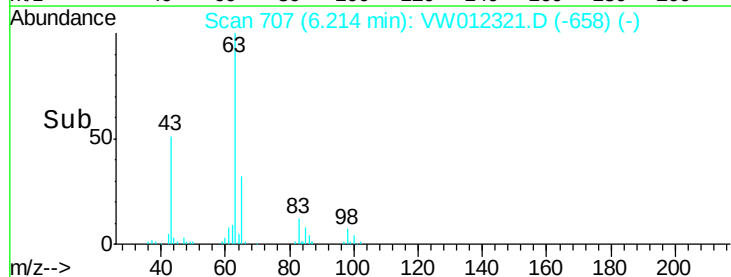
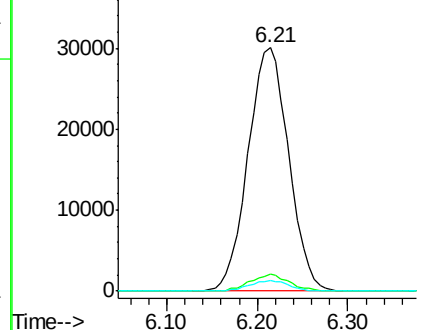
100 4.1 2.0 6.0

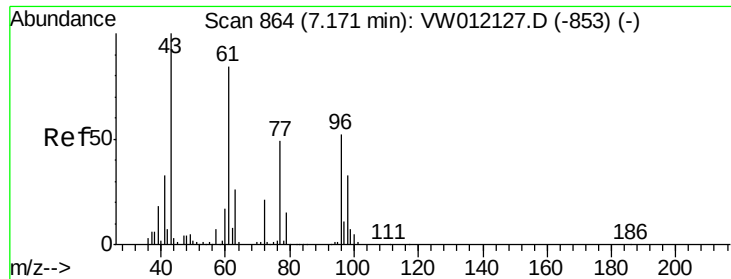


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 109.445 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW012321.D

Acq: 30 Aug 2019 00:14

Instrument :

MSVOA_W

ClientSampleId :

VW0829SBS02

Tot Ion: 43 Resp: 94786

Ion Ratio Lower Upper

43 100

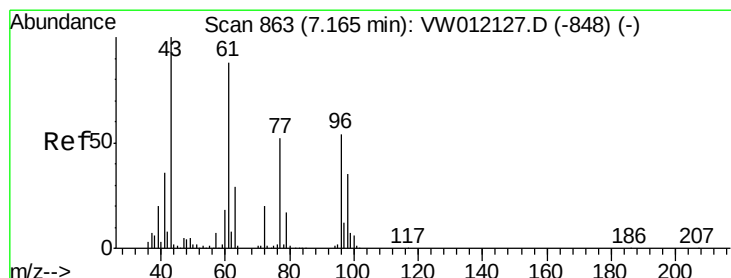
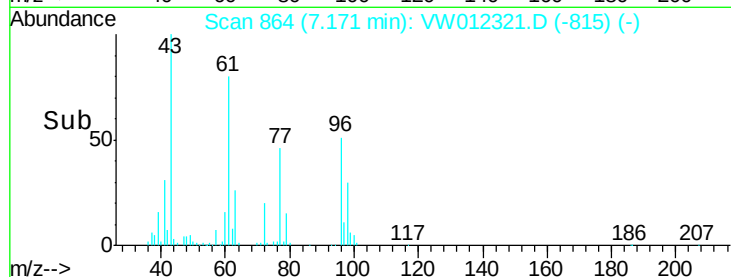
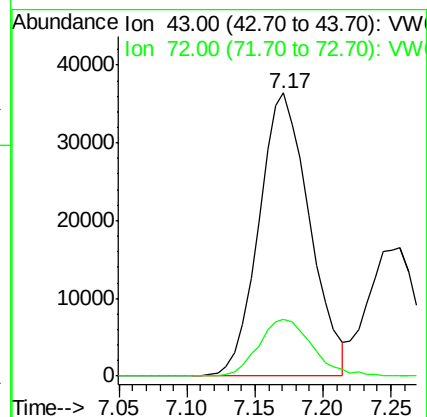
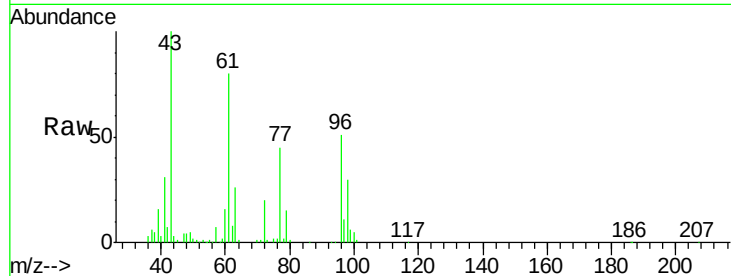
72 20.0 16.6 24.8

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 19.542 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW012321.D

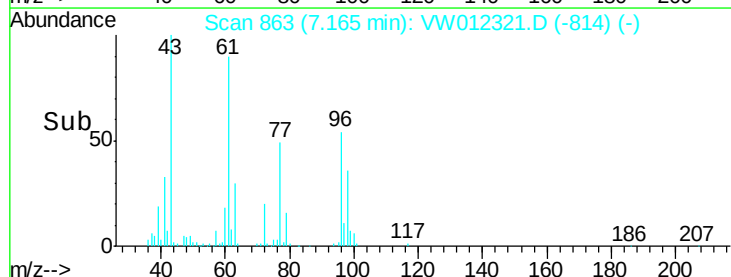
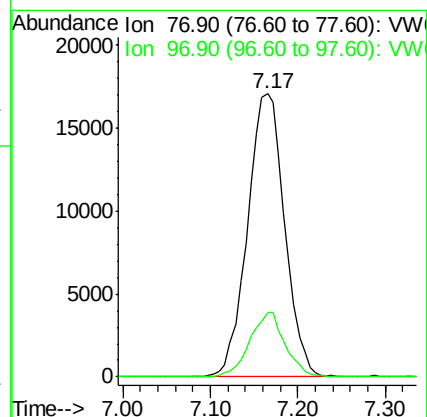
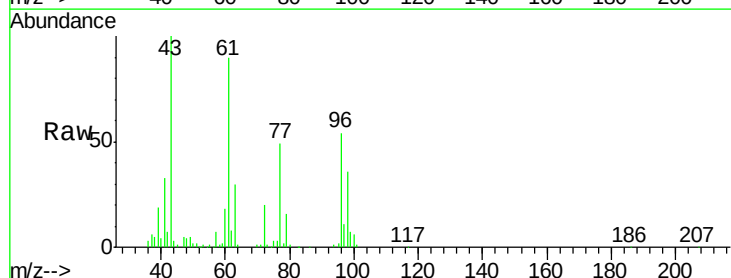
Acq: 30 Aug 2019 00:14

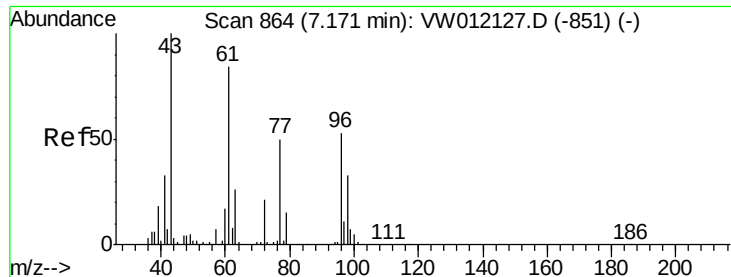
Tgt Ion: 77 Resp: 50208

Ion Ratio Lower Upper

77 100

97 21.6 11.1 33.1





#27

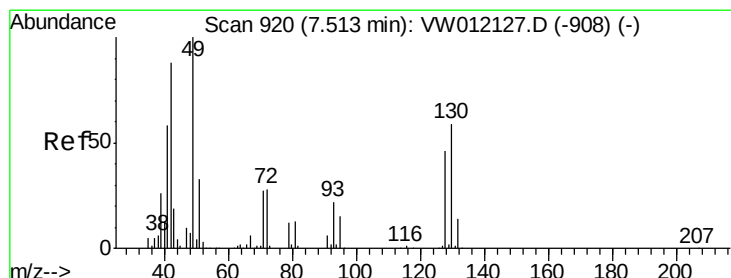
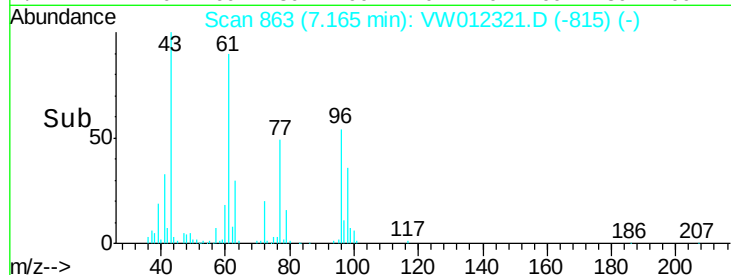
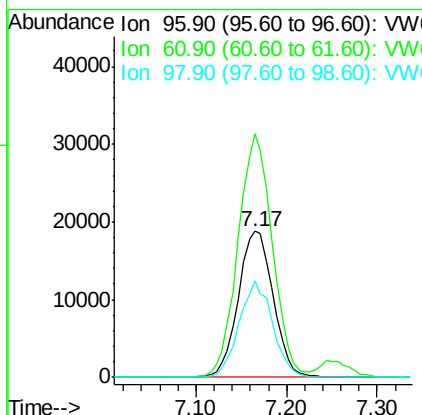
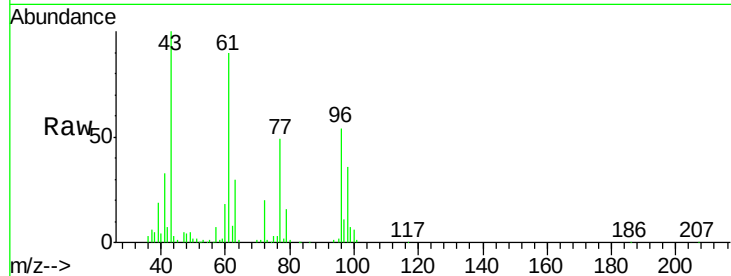
cis-1,2-Dichloroethene
 Concen: 20.821 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VW012321.D
 Acq: 30 Aug 2019 00:14

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0829SBS02

Tot Ion	Ratio	Lower	Upper
96	100		
61	163.3	0.0	326.6
98	63.1	0.0	127.4

Manual Integrations
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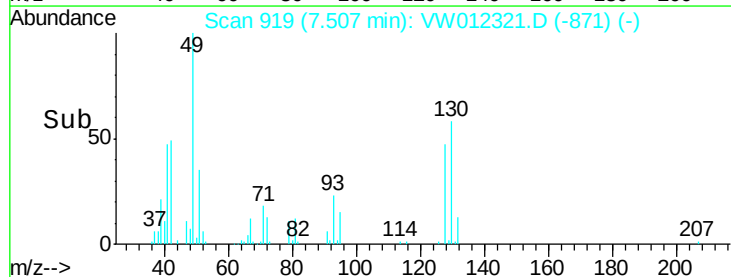
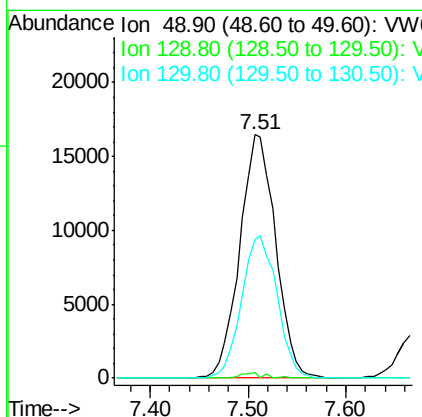
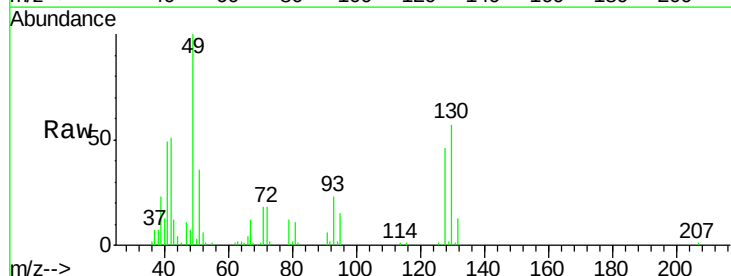
MMDadoda
 8/30/2019 11:44:29 AM

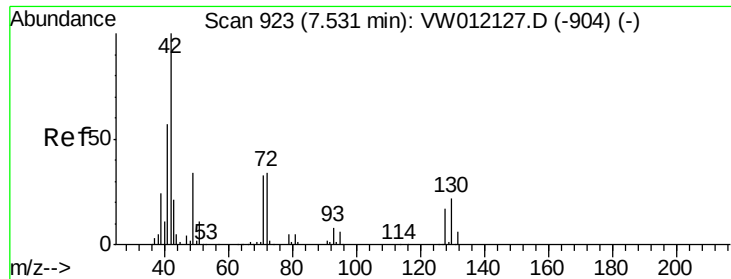


#28

Bromochloromethane
 Concen: 21.247 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. -0.01 min
 Lab File: VW012321.D
 Acq: 30 Aug 2019 00:14

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.1	0.0	1.4
130	57.7	45.5	68.3





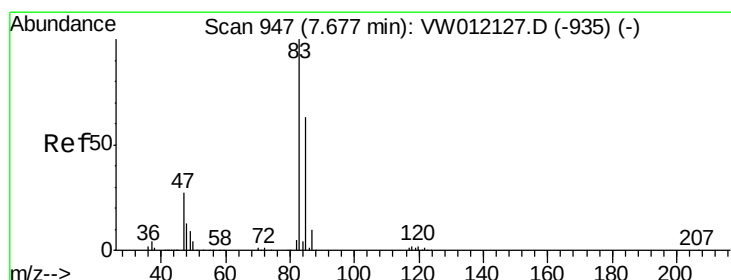
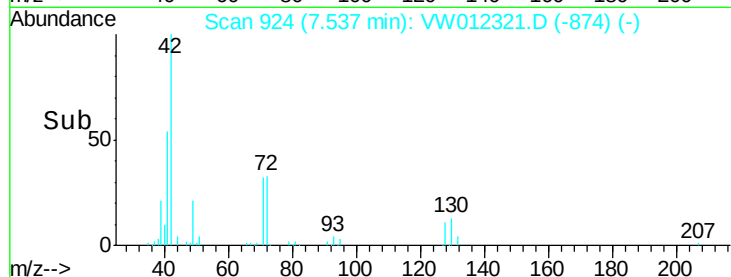
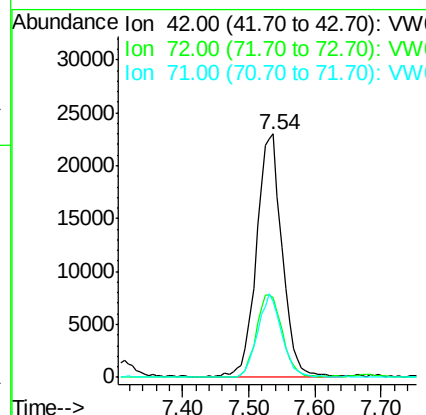
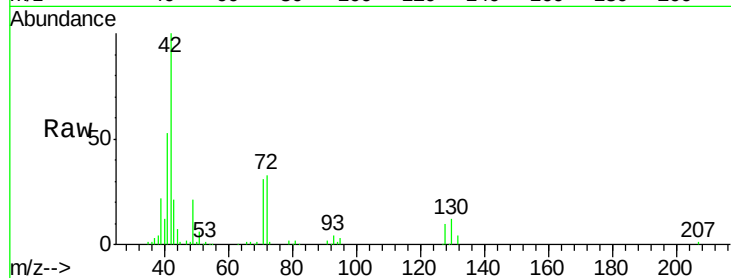
#29
Tetrahydrofuran
Concen: 120.753 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW012321.D
Acq: 30 Aug 2019 00:14

Instrument :
MSVOA_W
ClientSampleId :
VW0829SBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	34.0	27.3	40.9
71	32.0	25.5	38.3

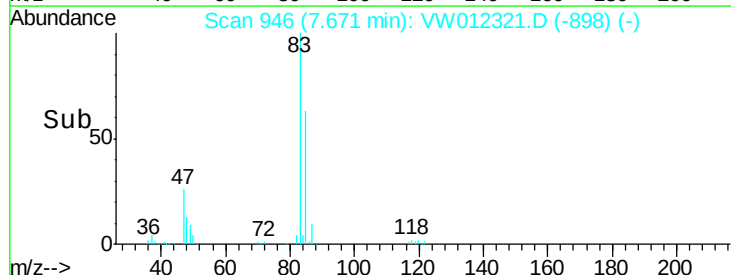
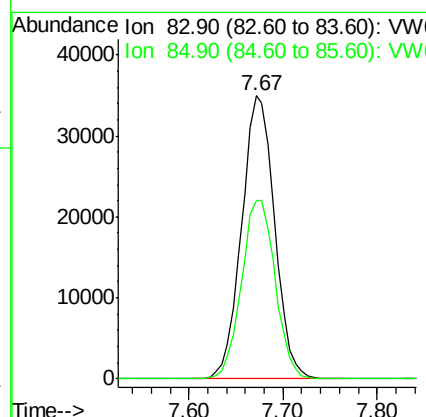
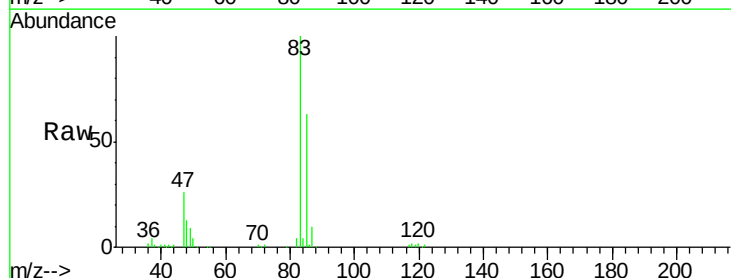
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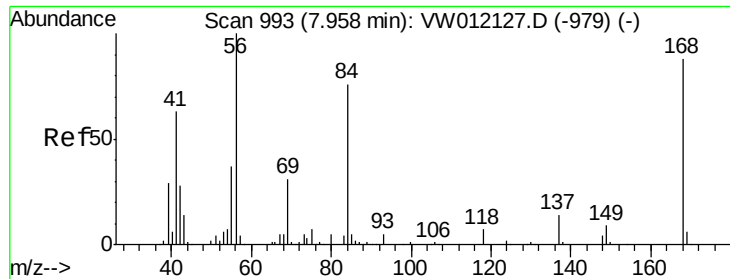
MMDadoda
8/30/2019 11:44:29 AM



#30
Chloroform
Concen: 20.555 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW012321.D
Acq: 30 Aug 2019 00:14

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.0	50.6	76.0





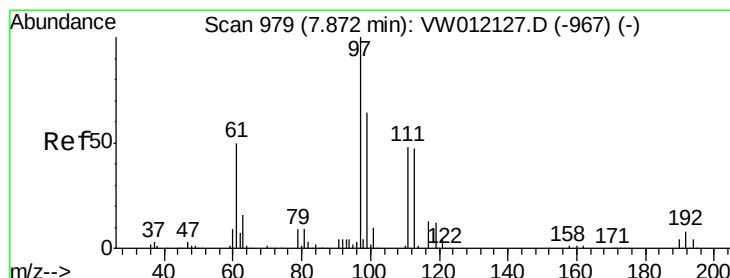
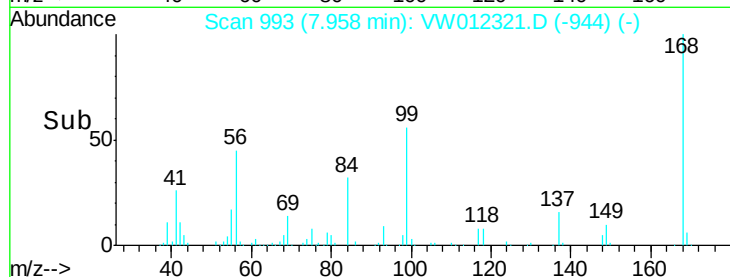
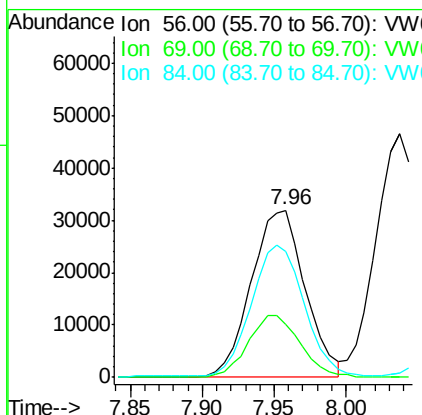
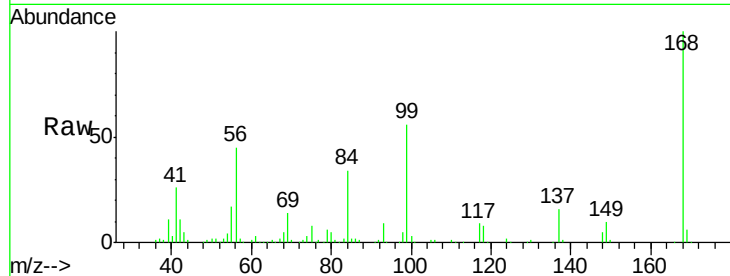
#31
Cyclohexane
Concen: 18.475 ug/l
RT: 7.96 min Scan# 993
Delta R.T. 0.00 min
Lab File: VW012321.D
Acq: 30 Aug 2019 00:14

Instrument :
MSVOA_W
ClientSampleId :
VW0829SBS02

Tot Ion:	56	Resp:	82967
Ion Ratio	Lower	Upper	
56	100		
69	31.6	24.9	37.3
84	74.3	60.6	90.8

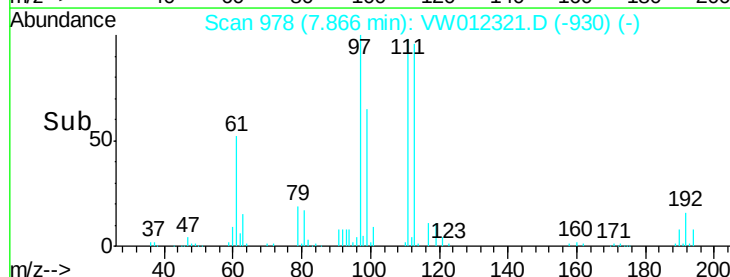
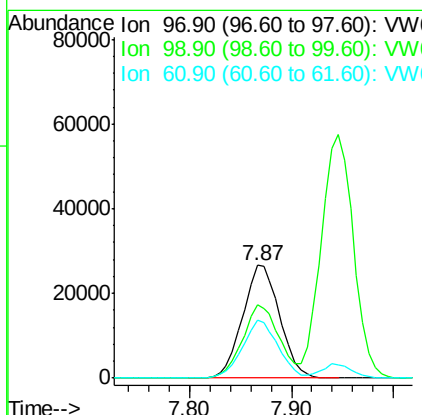
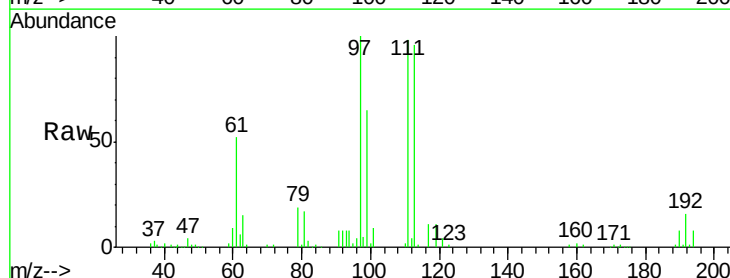
Manual Integrations
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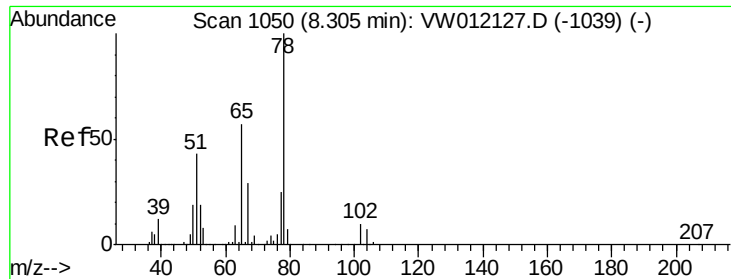
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8/30/2019 11:44:29 AM



#32
1,1,1-Trichloroethane
Concen: 20.420 ug/l
RT: 7.87 min Scan# 978
Delta R.T. -0.01 min
Lab File: VW012321.D
Acq: 30 Aug 2019 00:14

Tgt Ion:	97	Resp:	67084
Ion Ratio	Lower	Upper	
97	100		
99	65.7	51.4	77.0
61	49.7	39.5	59.3





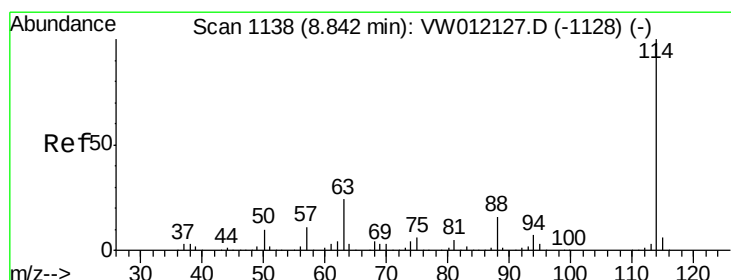
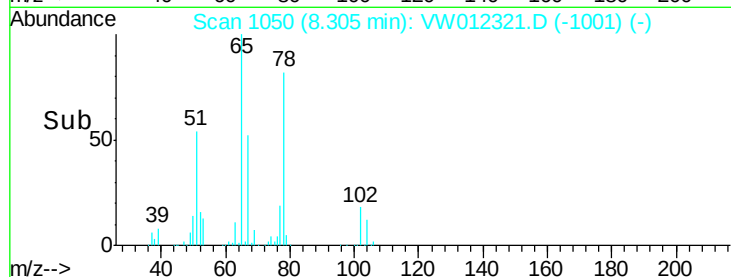
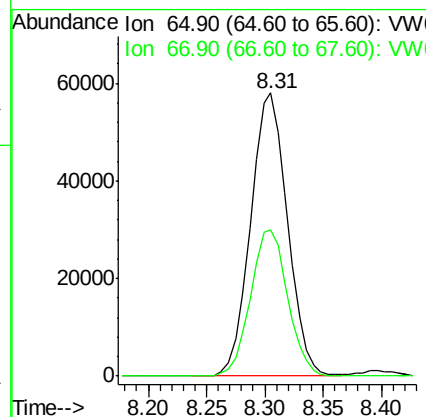
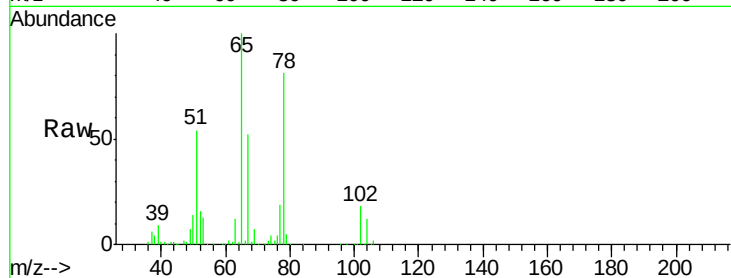
#33
 1,2-Dichloroethane-d4
 Concen: 51.082 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW012321.D
 Acq: 30 Aug 2019 00:14

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0829SBS02

Tot Ion	Ratio	Resp	Lower	Upper
65	100	127361		
67	52.3	0.0	102.6	

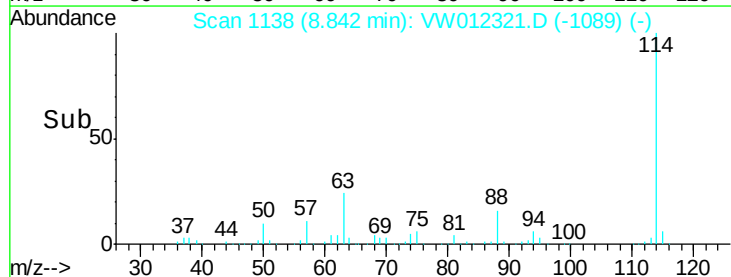
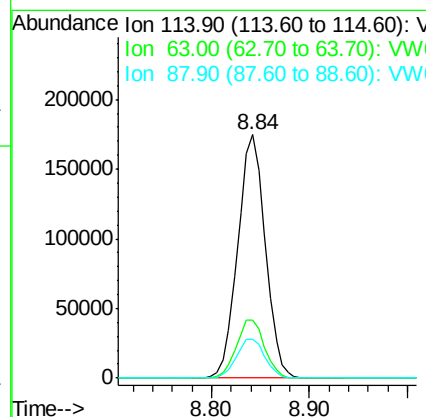
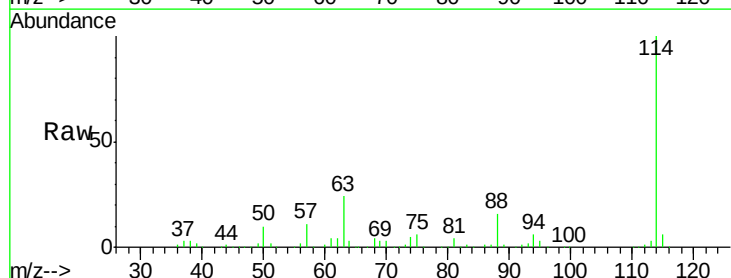
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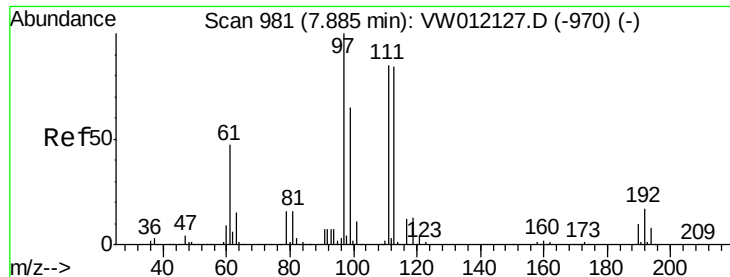
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 8/30/2019 11:44:29 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW012321.D
 Acq: 30 Aug 2019 00:14

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	341332		
63	24.1	0.0	48.6	
88	16.0	0.0	32.2	





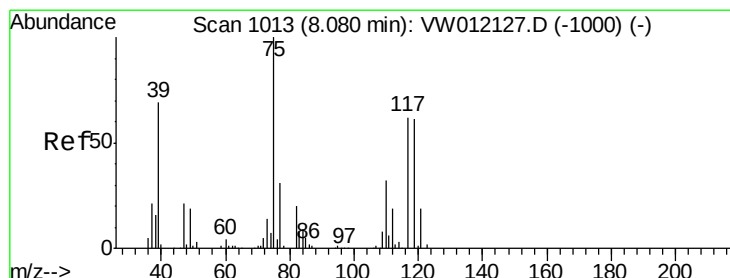
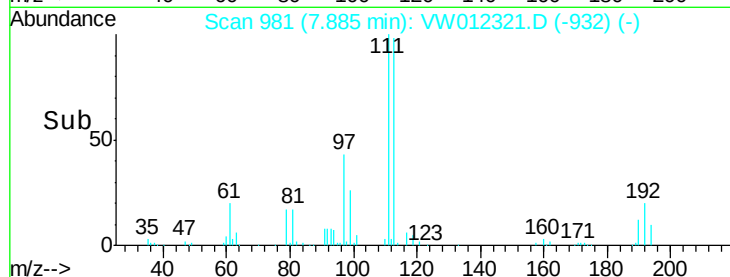
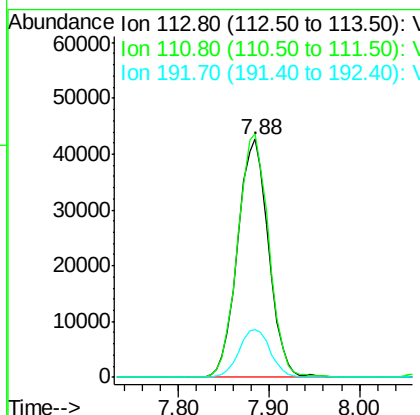
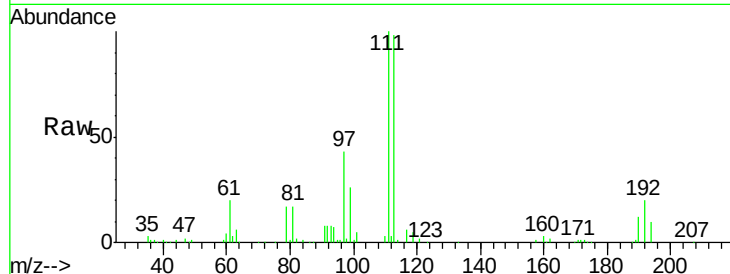
#35
 Dibromofluoromethane
 Concen: 49.617 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW012321.D
 Acq: 30 Aug 2019 00:14

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0829SBS02

Tot Ion	Ratio	Resp	Lower	Upper
113	100	101091		
111	102.6	82.7	124.1	
192	20.3	16.2	24.2	

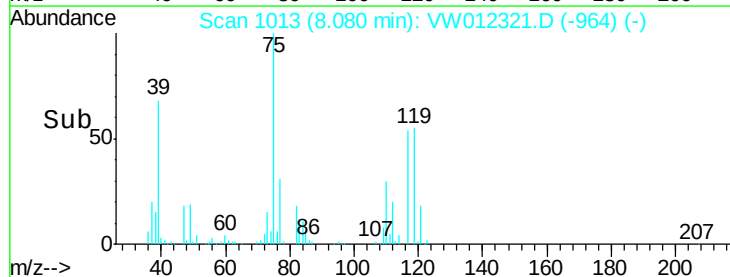
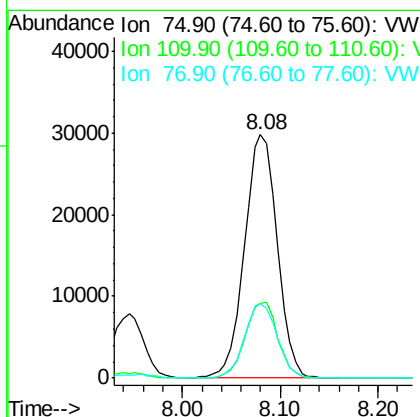
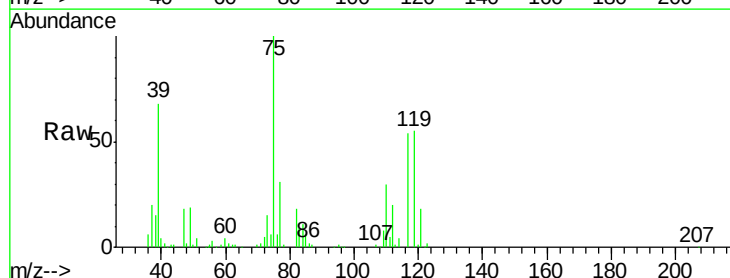
Manual Integrations
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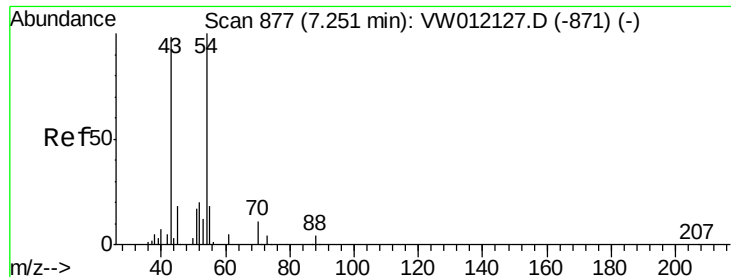
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 8/30/2019 11:44:29 AM



#36
 1,1-Dichloropropene
 Concen: 19.700 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VW012321.D
 Acq: 30 Aug 2019 00:14

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	69486		
110	31.0	15.6	46.8	
77	30.5	24.6	36.8	





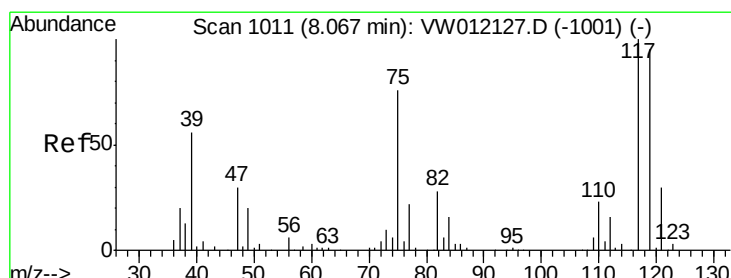
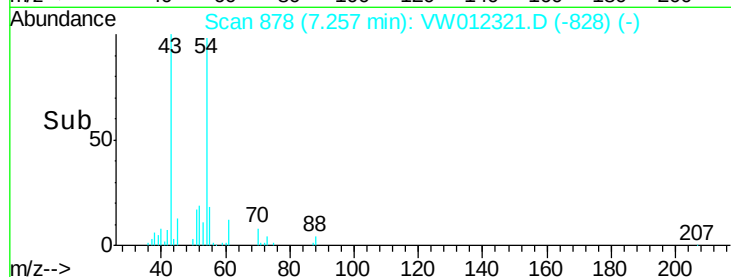
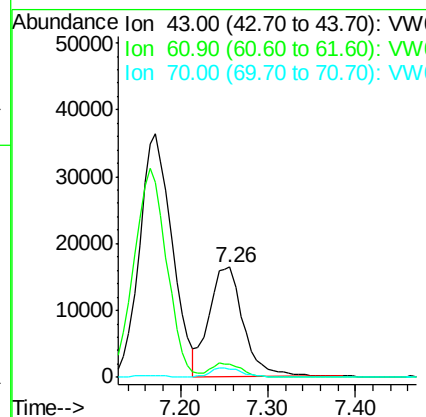
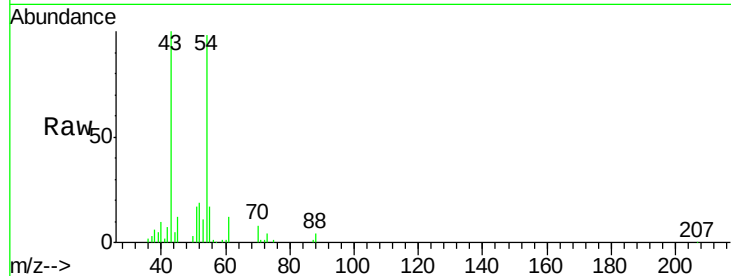
#37
Ethyl Acetate
Concen: 23.305 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.01 min
Lab File: VW012321.D
Acq: 30 Aug 2019 00:14

Instrument :
MSVOA_W
ClientSampleId :
VW0829SBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	11.9	9.2	13.8
70	8.2	6.9	10.3

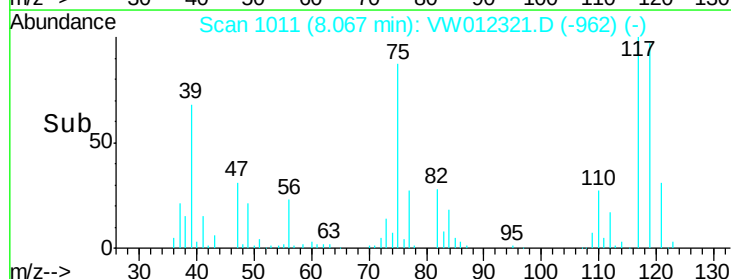
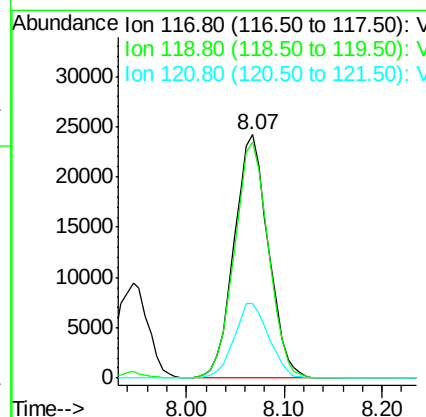
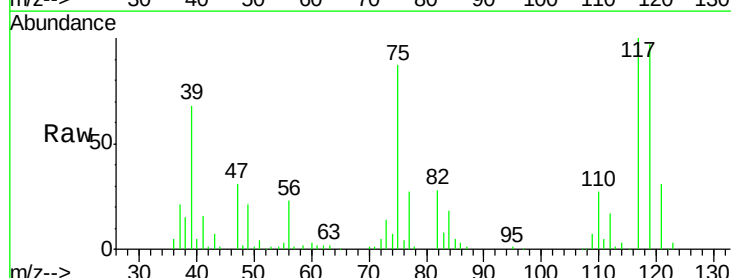
Manual Integrations
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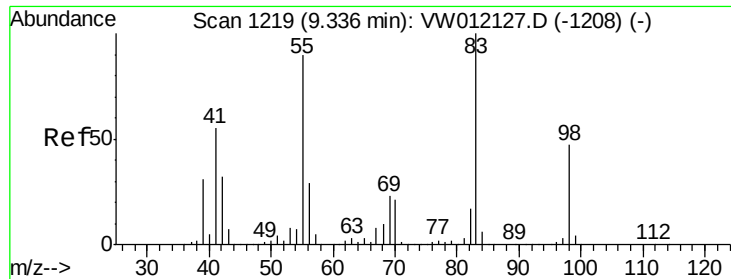
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#38
Carbon Tetrachloride
Concen: 19.229 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW012321.D
Acq: 30 Aug 2019 00:14

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.8	76.2	114.2
121	30.9	23.8	35.8





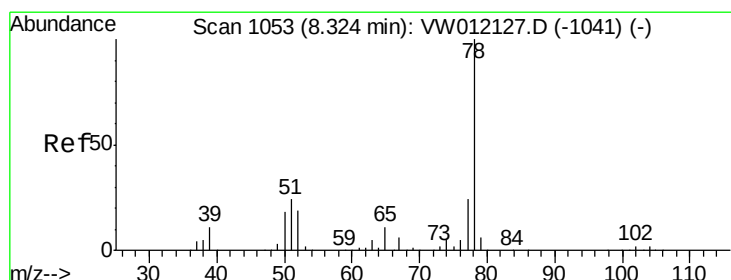
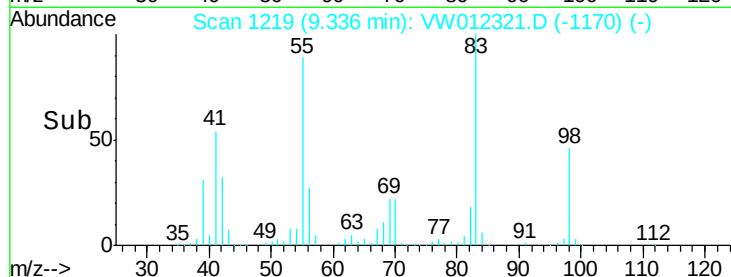
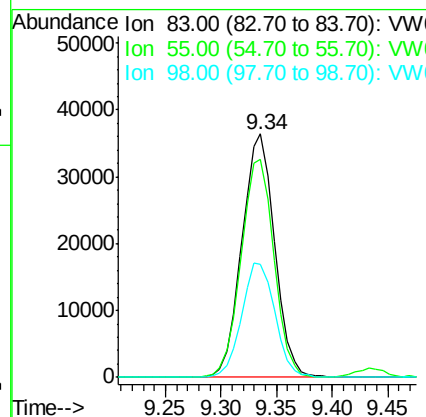
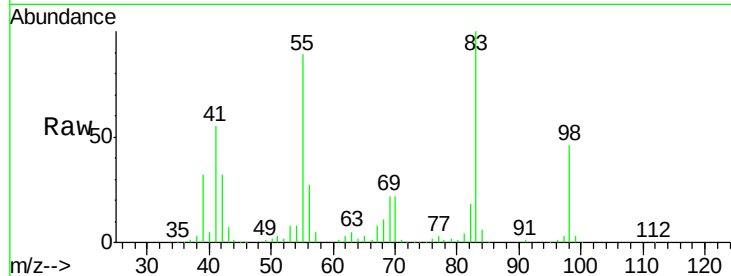
#39
Methylvlcyclohexane
Concen: 18.742 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW012321.D
Acq: 30 Aug 2019 00:14

Instrument :
MSVOA_W
ClientSampleId :
VW0829SBS02

Tot Ion	83	Resp	74269
Ion Ratio	Lower	Upper	
83	100		
55	89.3	71.8	107.8
98	46.3	37.8	56.8

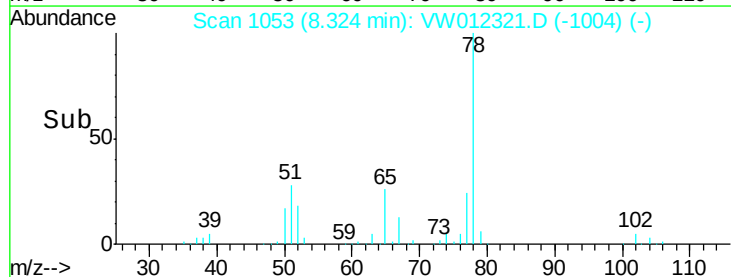
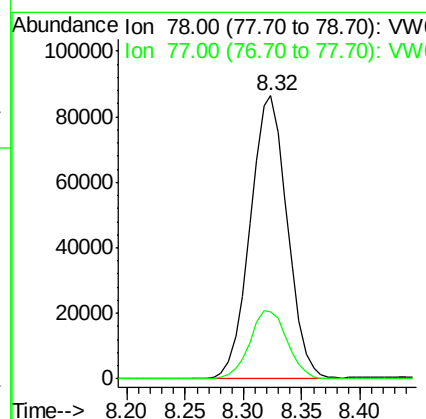
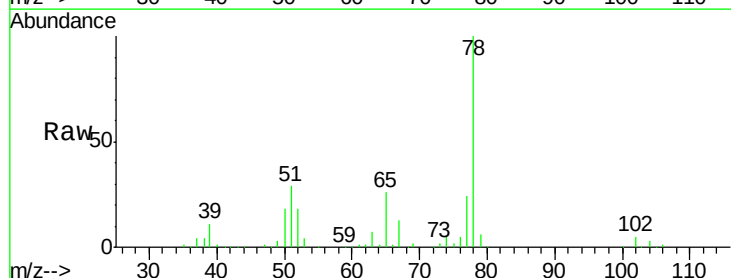
Manual Integrations
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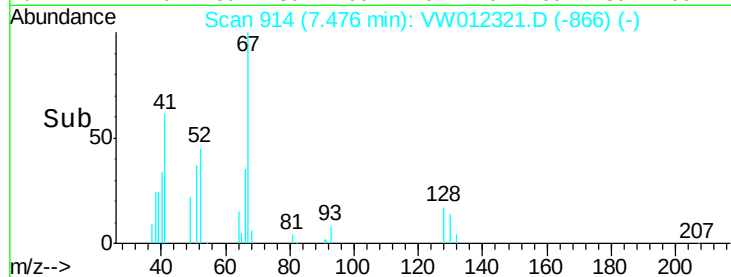
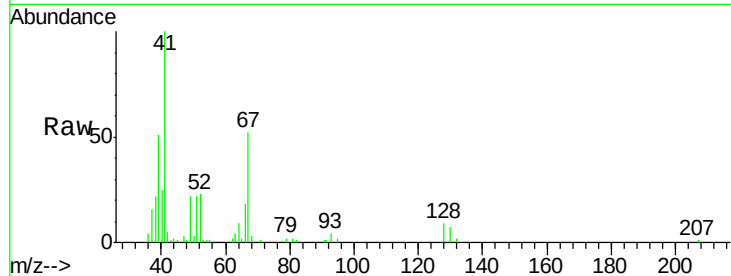
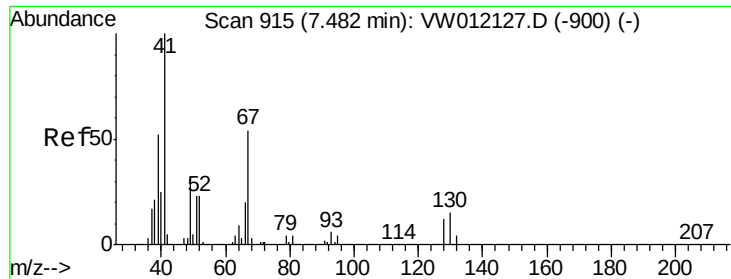
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#40
Benzene
Concen: 19.976 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW012321.D
Acq: 30 Aug 2019 00:14

Tgt Ion	78	Resp	192403
Ion Ratio	Lower	Upper	
78	100		
77	23.8	19.5	29.3





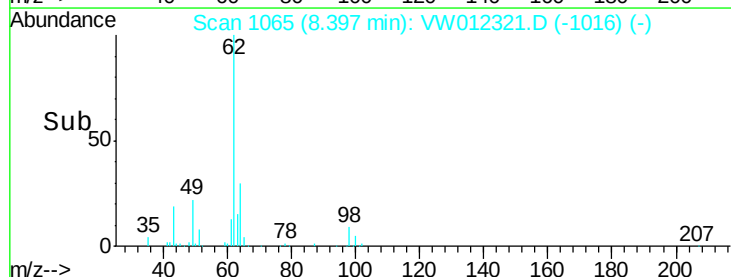
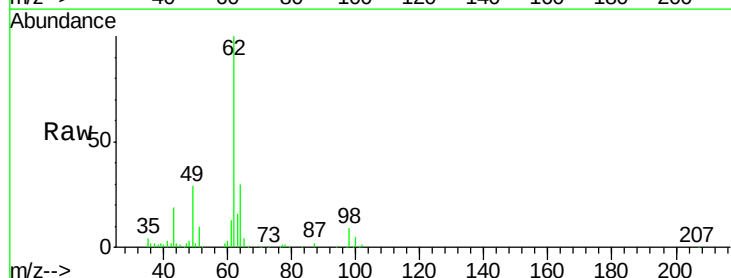
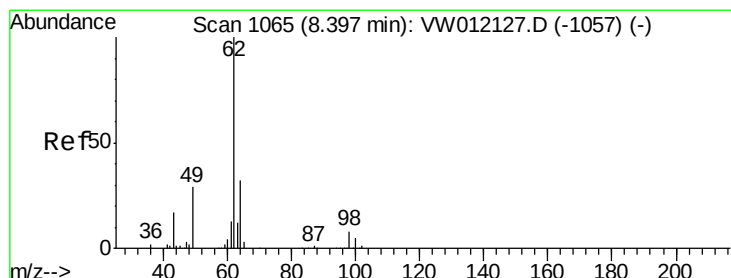
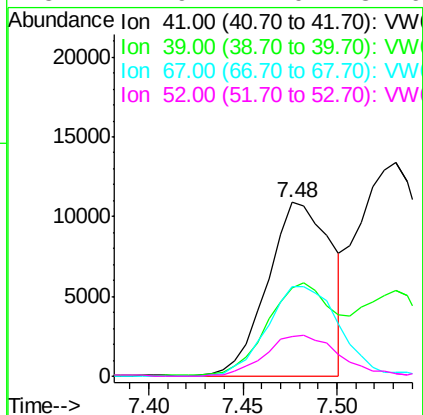
#41
Methacrylonitrile
Concen: 22.695 ug/l
RT: 7.48 min Scan# 914
Delta R.T. -0.01 min
Lab File: VW012321.D
Acq: 30 Aug 2019 00:14

Tot Ion	41	Resp	25782
Ion Ratio	Lower	Upper	
41	100		
39	59.1	45.8	68.8
67	58.6	46.2	69.4
52	27.9	21.0	31.6

Instrument :
MSVOA_W
ClientSampleId :
VW0829SBS02

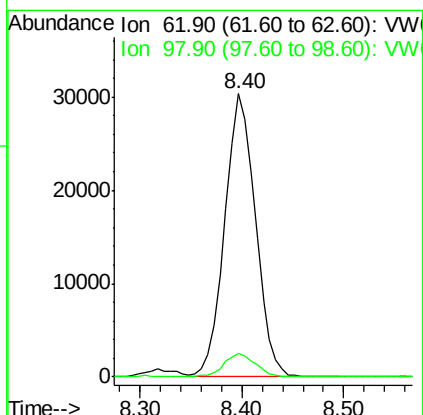
Manual Integrations
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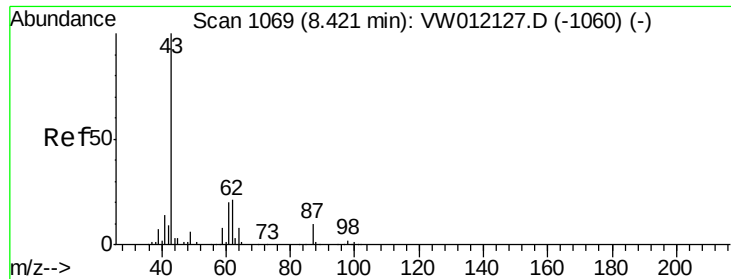
MMDadoda
8/30/2019 11:44:29 AM



#42
1,2-Dichloroethane
Concen: 21.024 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW012321.D
Acq: 30 Aug 2019 00:14

Tgt Ion	62	Resp	63463
Ion Ratio	Lower	Upper	
62	100		
98	8.3	0.0	16.6





#43

Isopropyl Acetate

Concen: 22.395 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW012321.D

Acq: 30 Aug 2019 00:14

Instrument :

MSVOA_W

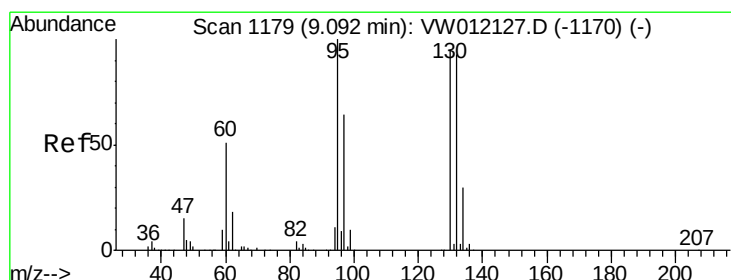
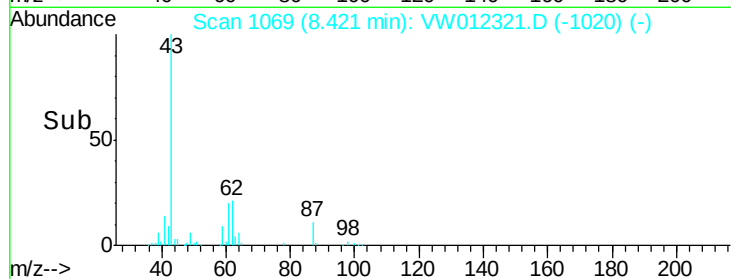
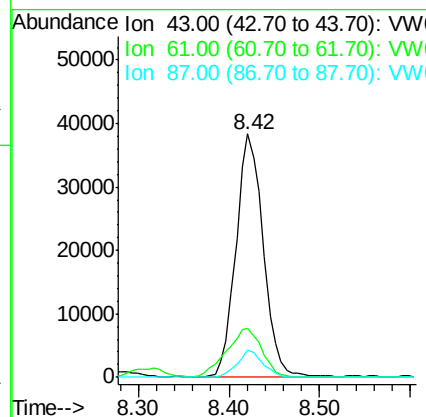
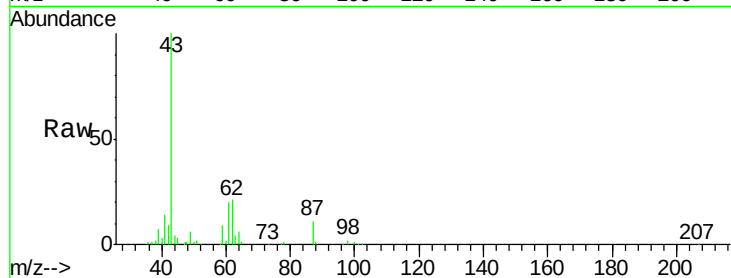
ClientSampleId :

VW0829SBS02

Tot Ion:	43	Resp:	80181
Ion	Ratio	Lower	Upper
43	100		
61	26.0	21.1	31.7
87	10.4	8.2	12.2

Manual Integrations
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#44

Trichloroethene

Concen: 20.107 ug/l

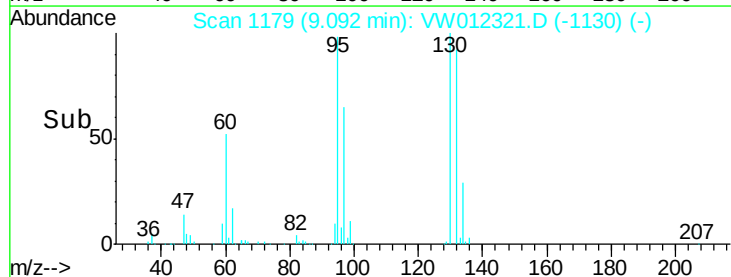
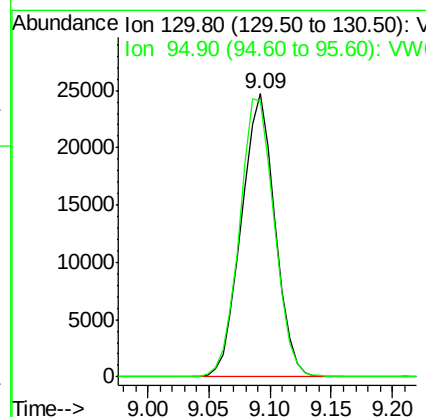
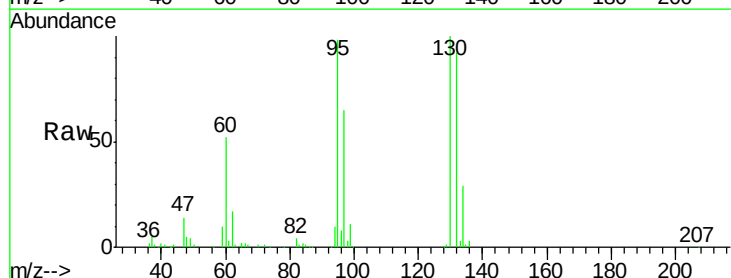
RT: 9.09 min Scan# 1179

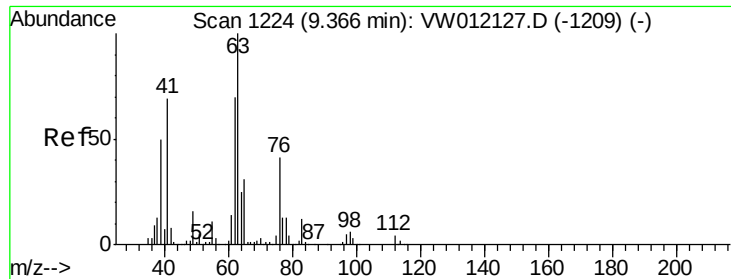
Delta R.T. 0.00 min

Lab File: VW012321.D

Acq: 30 Aug 2019 00:14

Tgt Ion:	130	Resp:	47077
Ion	Ratio	Lower	Upper
130	100		
95	97.6	0.0	210.6





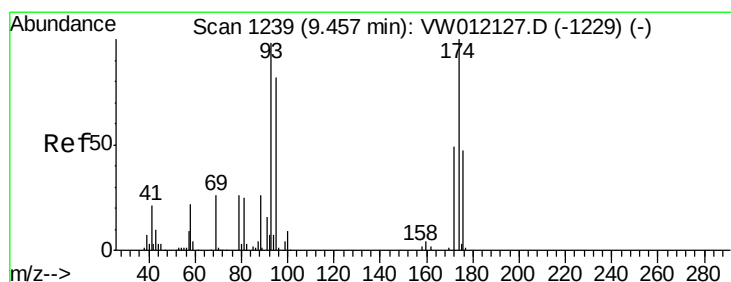
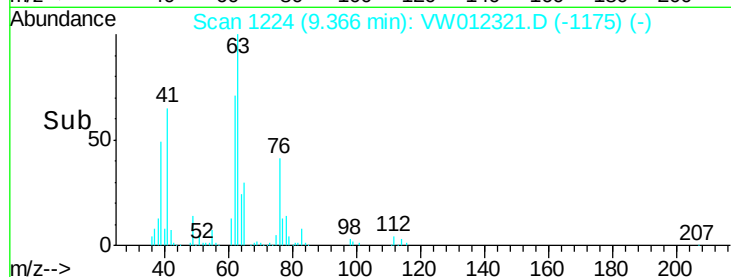
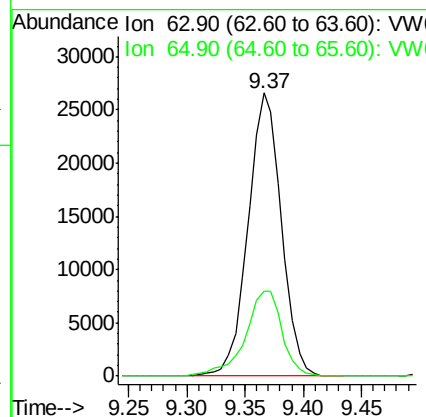
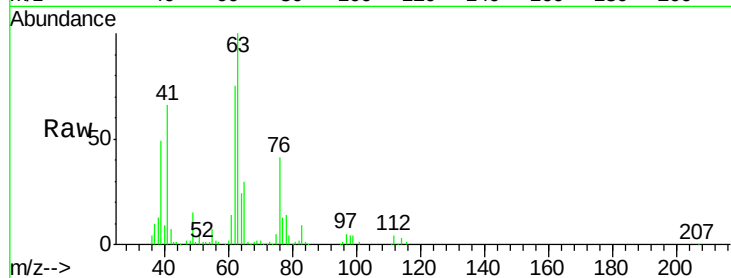
#45
 1,2-Dichloropropane
 Concen: 20.373 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW012321.D
 Acq: 30 Aug 2019 00:14

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0829SBS02

Tot Ion: 63 Resp: 52809
 Ion Ratio Lower Upper
 63 100
 65 30.2 25.0 37.4

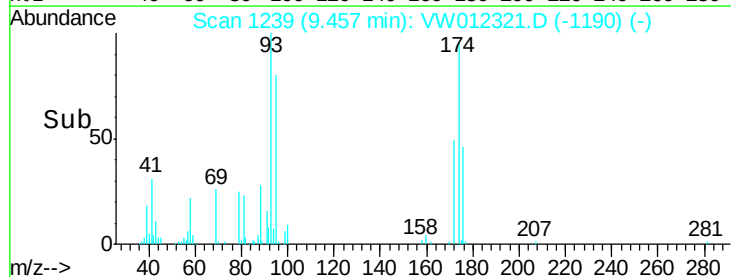
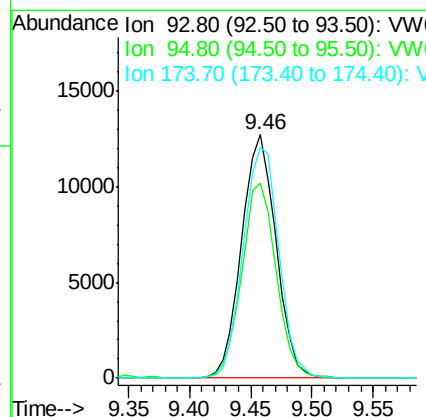
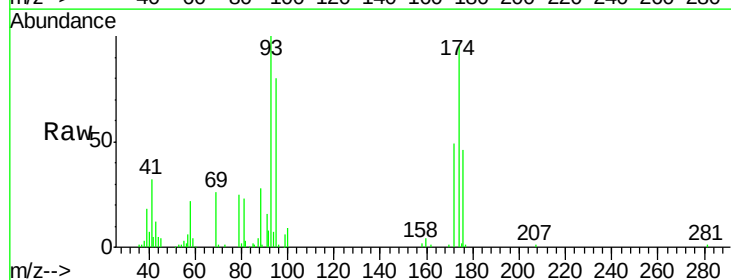
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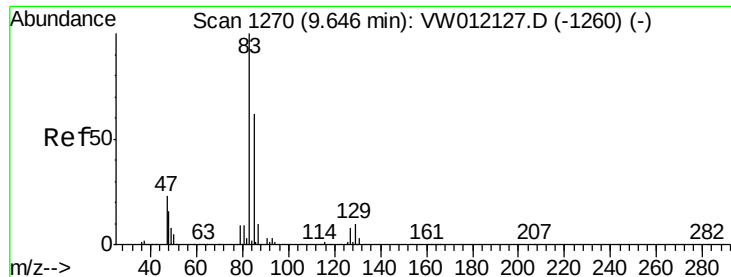
MMDadoda
 8/30/2019 11:44:29 AM



#46
 Dibromomethane
 Concen: 21.586 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW012321.D
 Acq: 30 Aug 2019 00:14

Tgt Ion: 93 Resp: 24895
 Ion Ratio Lower Upper
 93 100
 95 80.1 67.2 100.8
 174 98.3 79.0 118.6





#47

Bromodichloromethane

Concen: 20.096 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VW012321.D

Acq: 30 Aug 2019 00:14

Instrument :

MSVOA_W

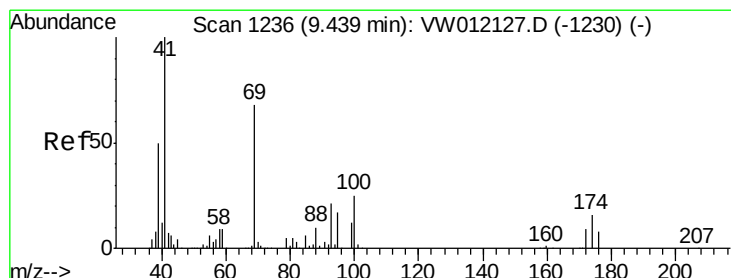
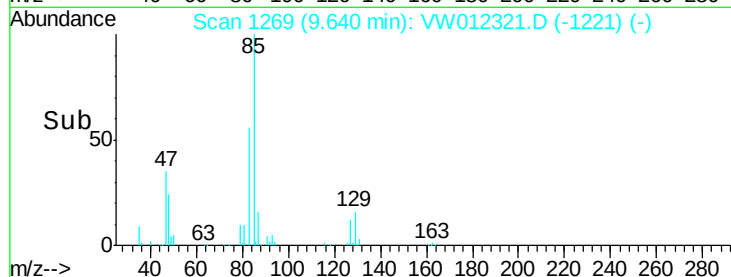
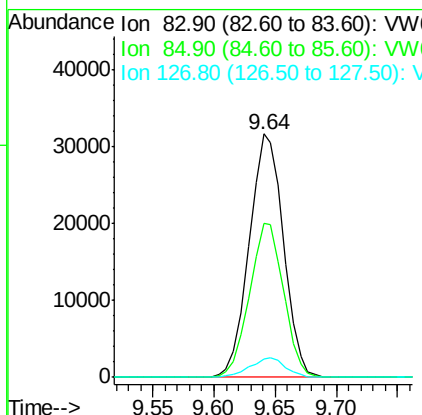
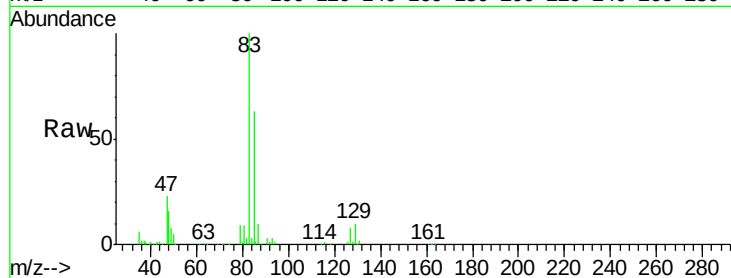
ClientSampleId :

VW0829SBS02

Tot Ion:	83	Resp:	61684
Ion	Ratio	Lower	Upper
83	100		
85	63.3	49.4	74.2
127	7.7	6.1	9.1

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#48

Methyl methacrylate

Concen: 22.193 ug/l

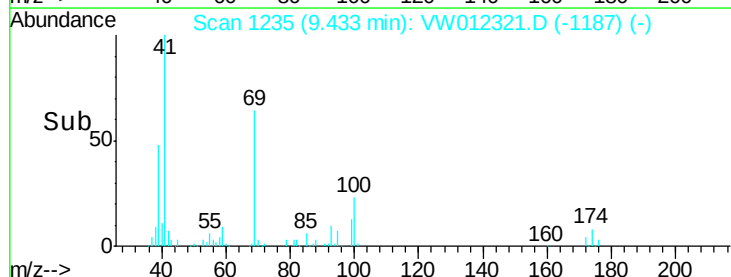
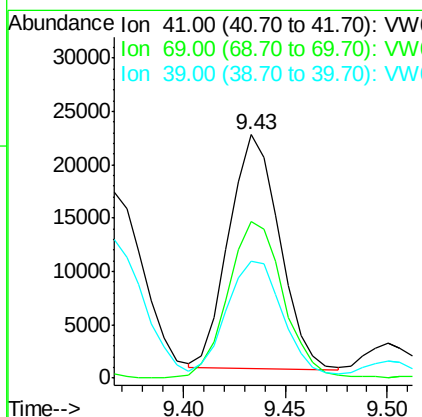
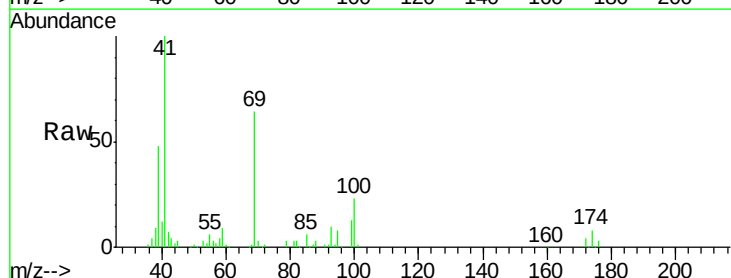
RT: 9.43 min Scan# 1235

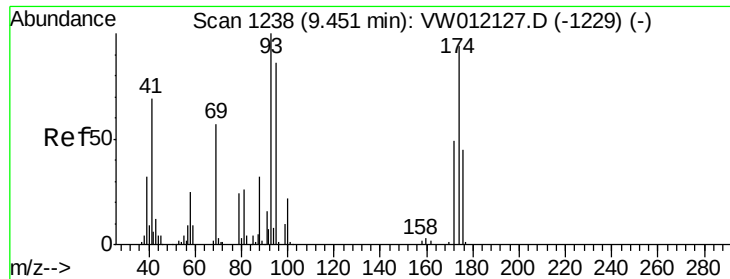
Delta R.T. -0.01 min

Lab File: VW012321.D

Acq: 30 Aug 2019 00:14

Tgt Ion:	41	Resp:	37818
Ion	Ratio	Lower	Upper
41	100		
69	73.6	56.7	85.1
39	51.8	42.0	63.0





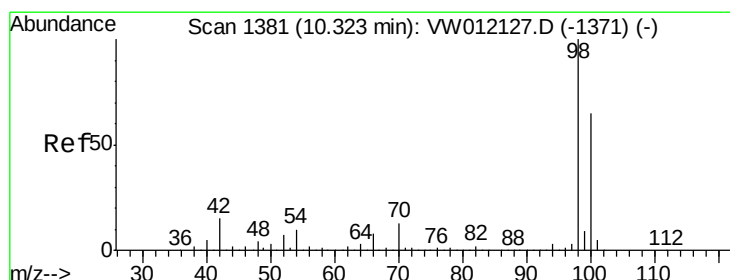
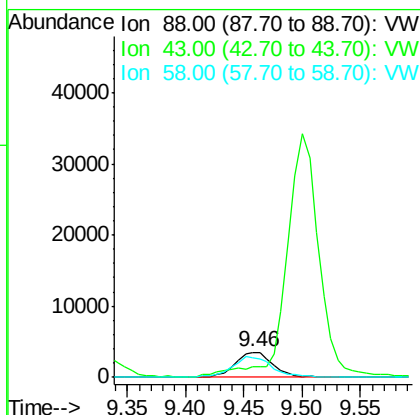
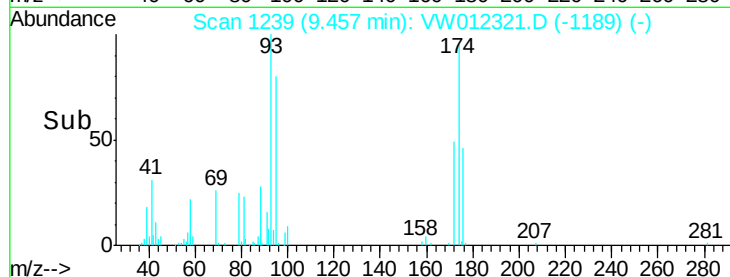
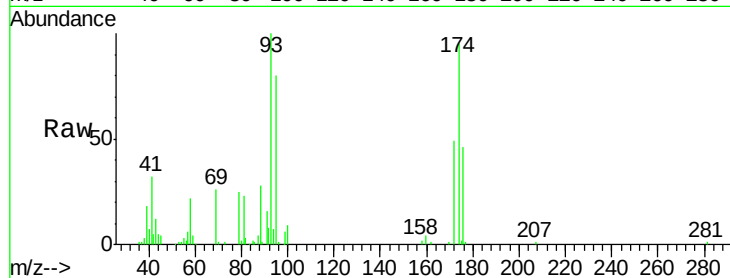
#49
1,4-Dioxane
Concen: 454.807 ug/l
RT: 9.46 min Scan# 1239
Delta R.T. 0.01 min
Lab File: VW012321.D
Acq: 30 Aug 2019 00:14

Instrument :
MSVOA_W
ClientSampleId :
VW0829SBS02

Tot Ion: 88 Resp: 8030
Ion Ratio Lower Upper
88 100
43 0.0 32.9 49.3#
58 88.6 71.0 106.4

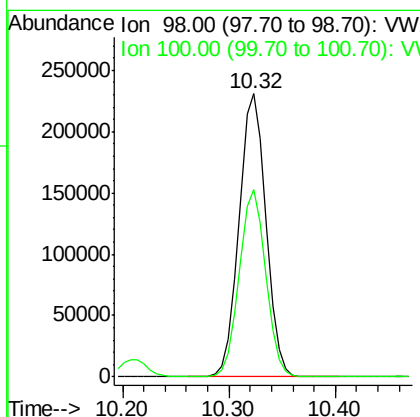
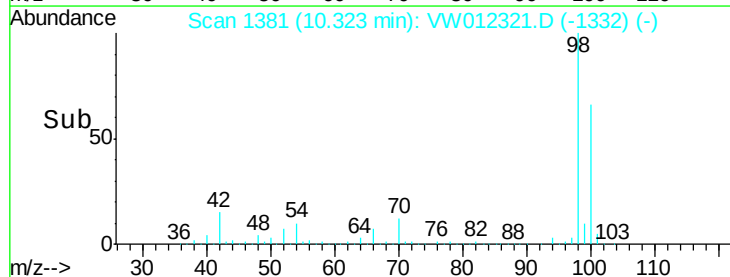
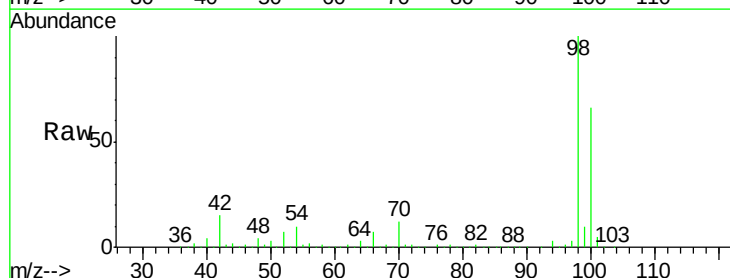
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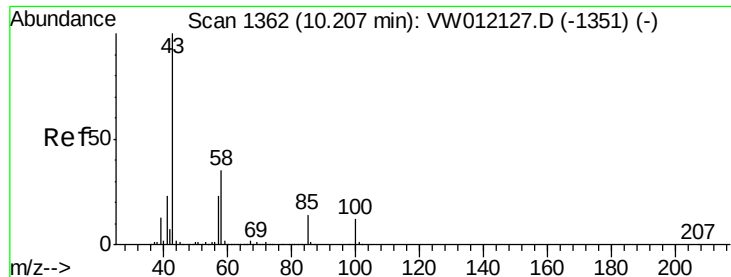
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#50
Toluene-d8
Concen: 49.543 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW012321.D
Acq: 30 Aug 2019 00:14

Tgt Ion: 98 Resp: 409279
Ion Ratio Lower Upper
98 100
100 65.4 52.4 78.6





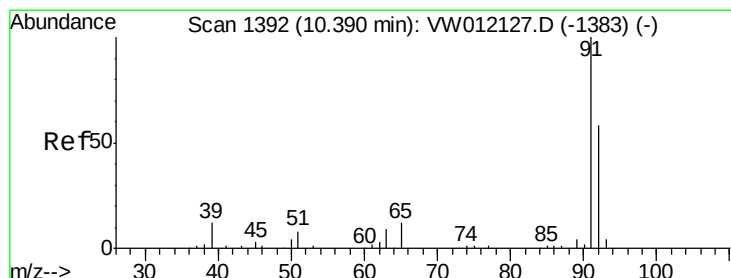
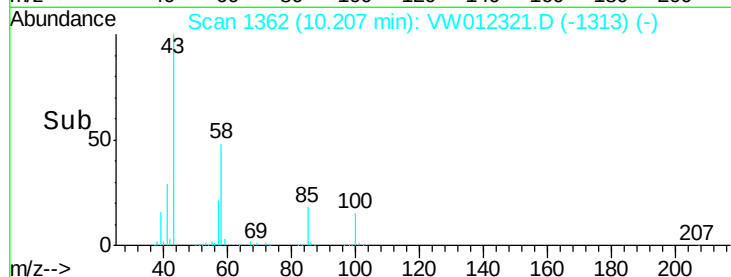
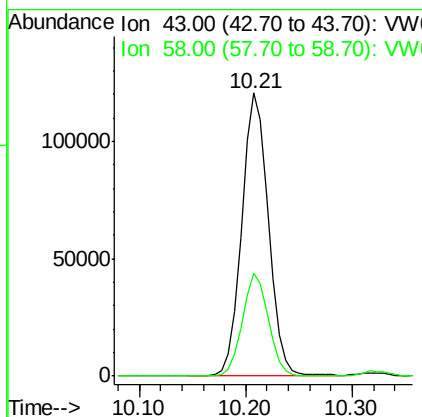
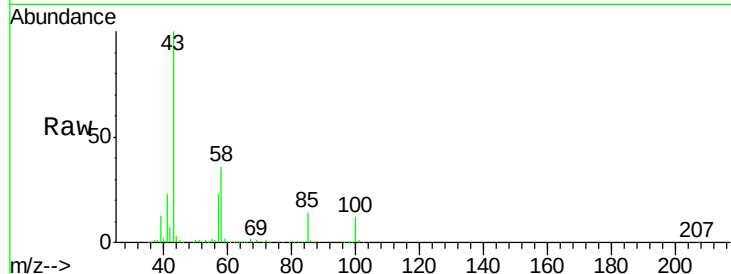
#51
4-Methyl-2-Pentanone
Concen: 116.691 ug/l
RT: 10.21 min Scan# 1362
Delta R.T. 0.00 min
Lab File: VW012321.D
Acq: 30 Aug 2019 00:14

Instrument :
MSVOA_W
ClientSampleId :
VW0829SBS02

Tot Ion	43	Resp	212502
Ion Ratio	100	Lower	Upper
58	35.5	28.2	42.2

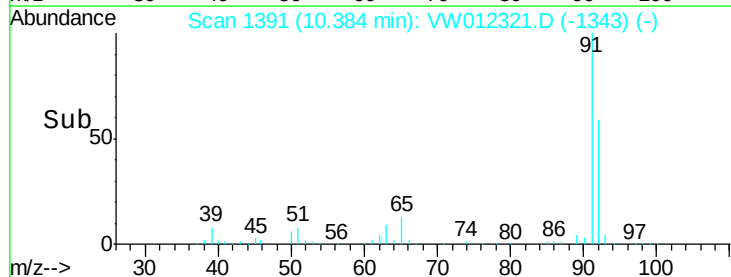
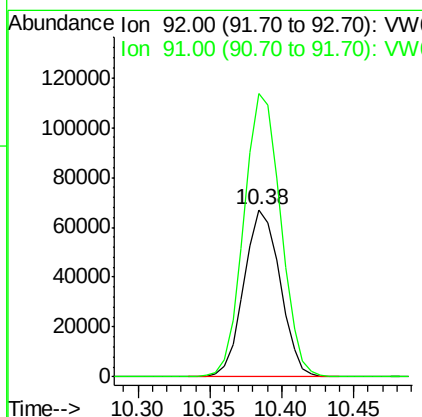
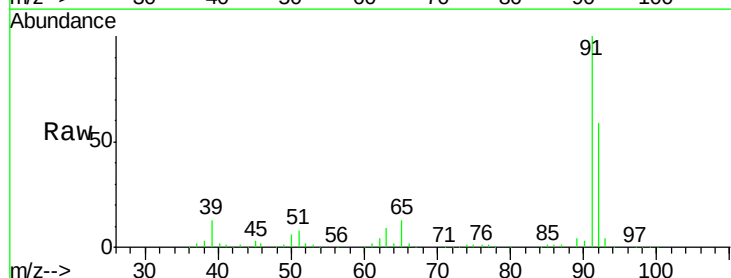
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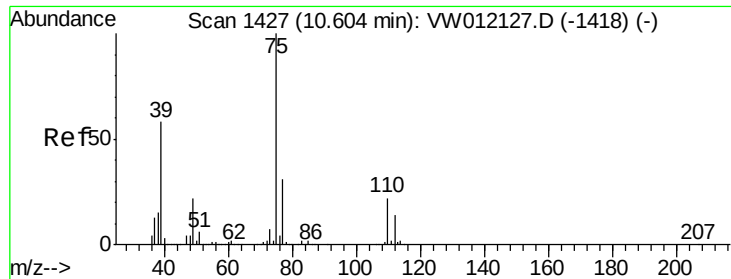
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#52
Toluene
Concen: 20.102 ug/l
RT: 10.38 min Scan# 1391
Delta R.T. -0.01 min
Lab File: VW012321.D
Acq: 30 Aug 2019 00:14

Tgt Ion	92	Resp	116314
Ion Ratio	100	Lower	Upper
91	172.7	136.6	204.8





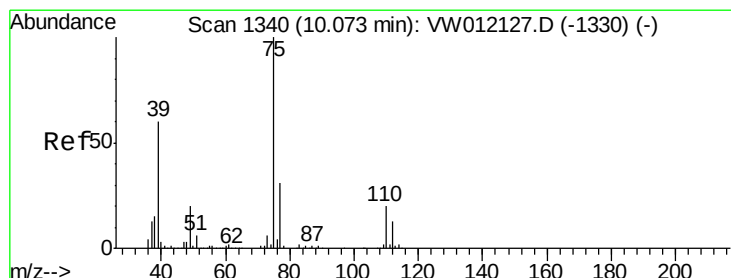
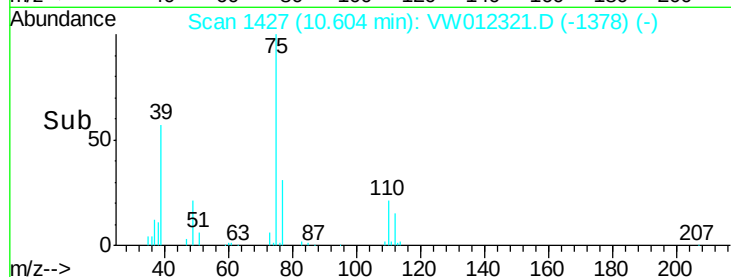
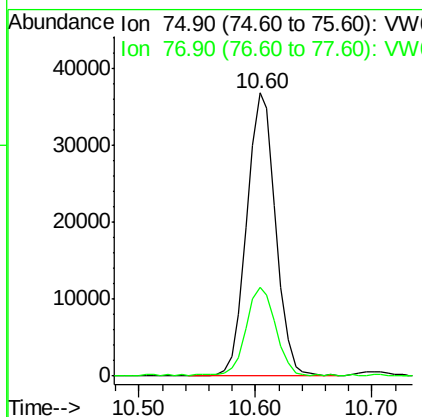
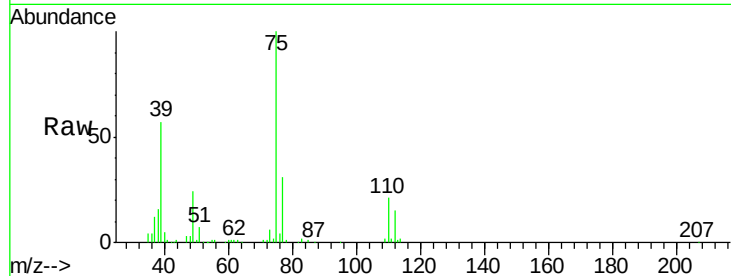
#53
 t-1,3-Dichloropropene
 Concen: 20.358 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. 0.00 min
 Lab File: VW012321.D
 Acq: 30 Aug 2019 00:14

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0829SBS02

Tot Ion: 75 Resp: 63653
 Ion Ratio Lower Upper
 75 100
 77 30.9 25.0 37.4

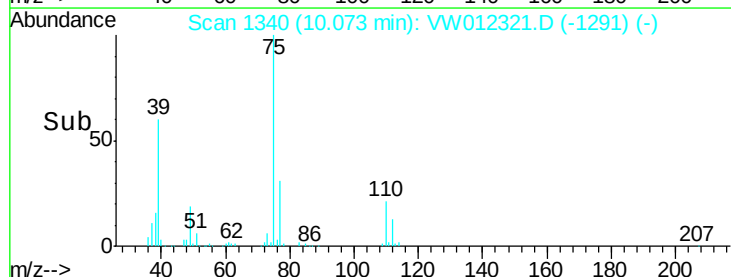
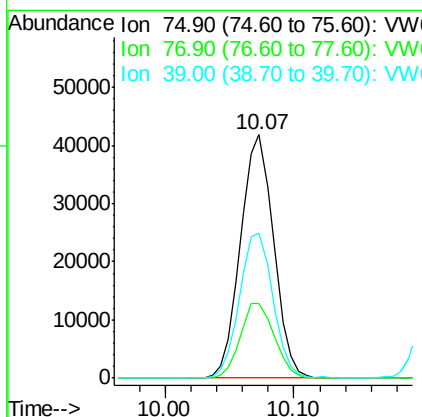
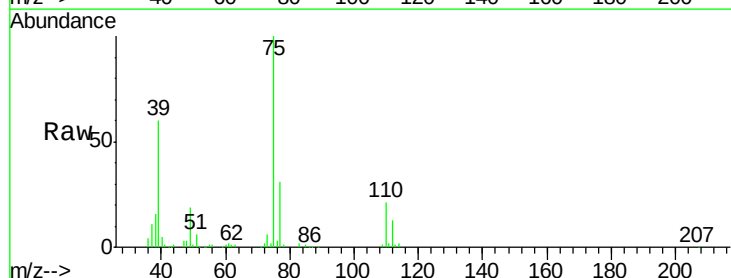
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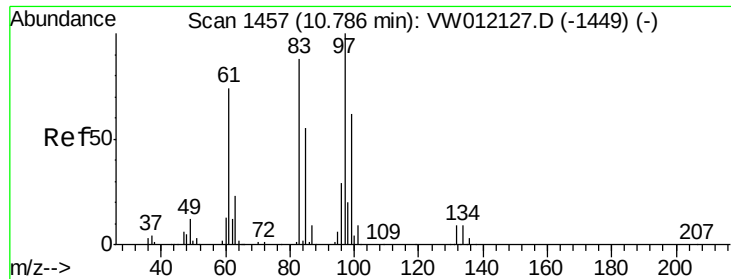
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#54
 cis-1,3-Dichloropropene
 Concen: 19.734 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW012321.D
 Acq: 30 Aug 2019 00:14

Tgt Ion: 75 Resp: 74499
 Ion Ratio Lower Upper
 75 100
 77 30.9 25.1 37.7
 39 59.5 48.3 72.5





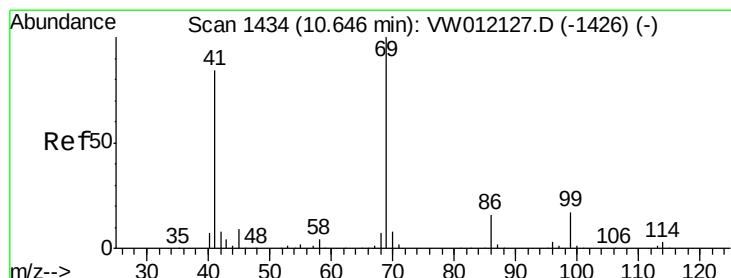
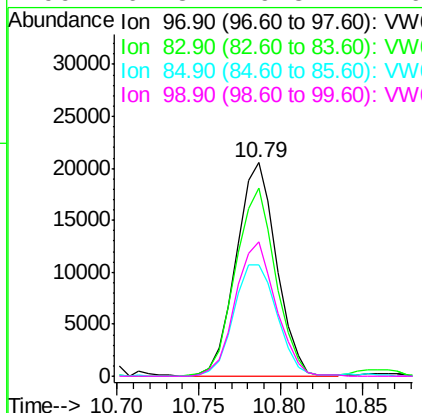
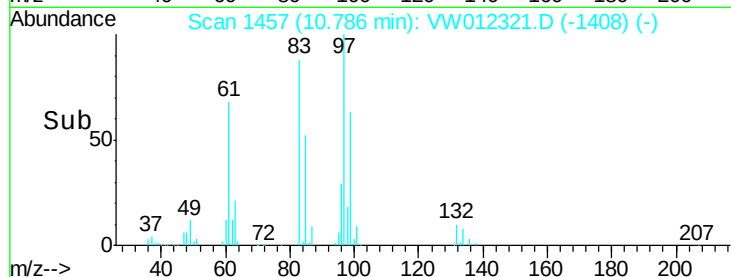
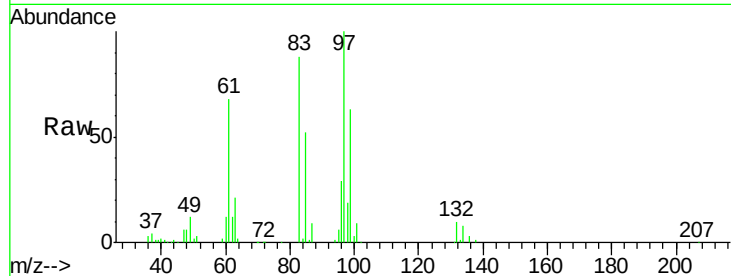
#55
 1,1,2-Trichloroethane
 Concen: 21.607 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW012321.D
 Acq: 30 Aug 2019 00:14

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0829SBS02

Tot Ion:	97	Resp:	35258
Ion	Ratio	Lower	Upper
97	100		
83	87.8	70.8	106.2
85	52.2	43.8	65.8
99	62.8	49.8	74.6

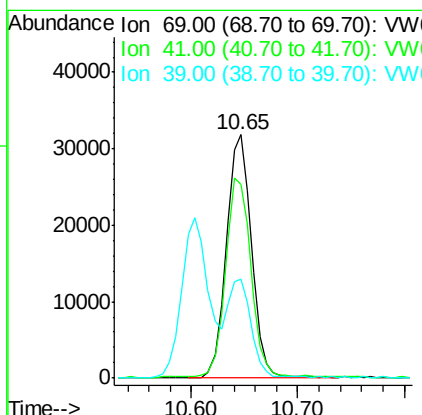
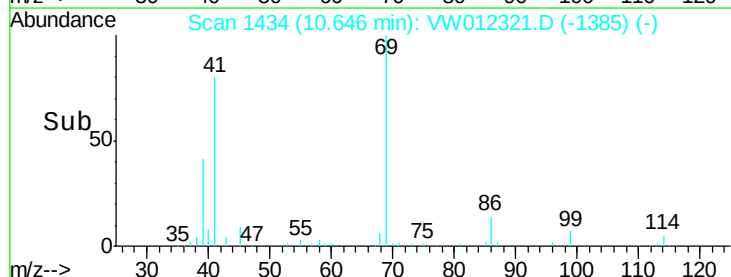
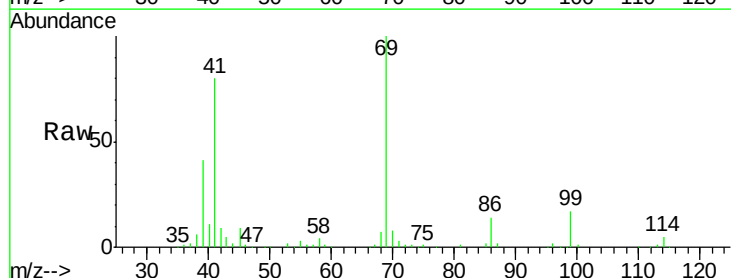
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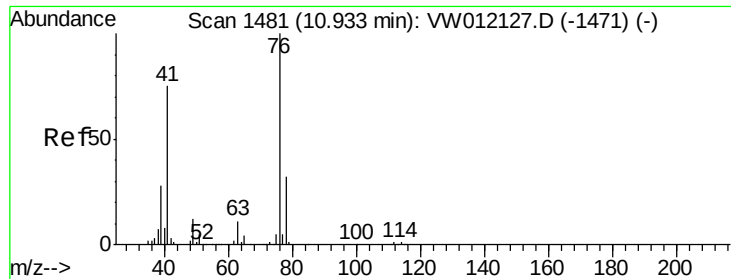
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#56
 Ethyl methacrylate
 Concen: 22.227 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW012321.D
 Acq: 30 Aug 2019 00:14

Tgt Ion:	69	Resp:	52787
Ion	Ratio	Lower	Upper
69	100		
41	82.3	66.5	99.7
39	37.1	31.0	46.4





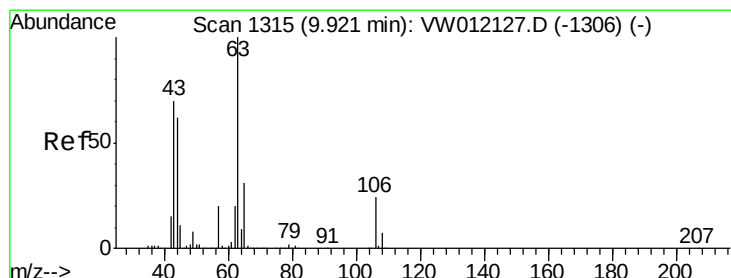
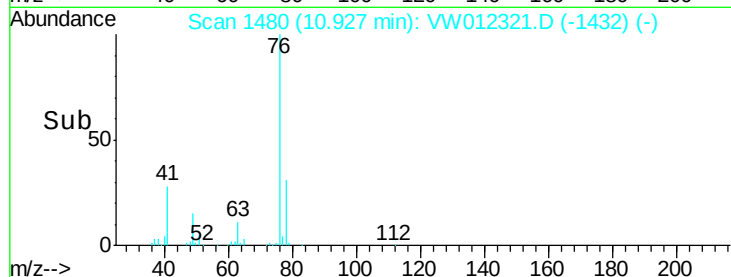
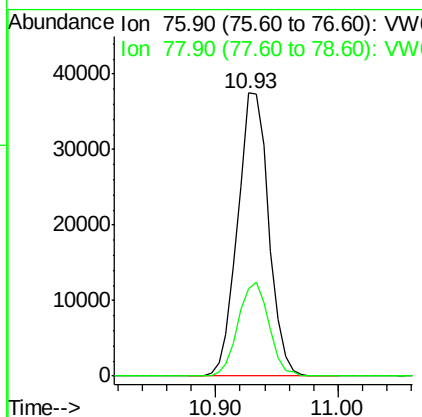
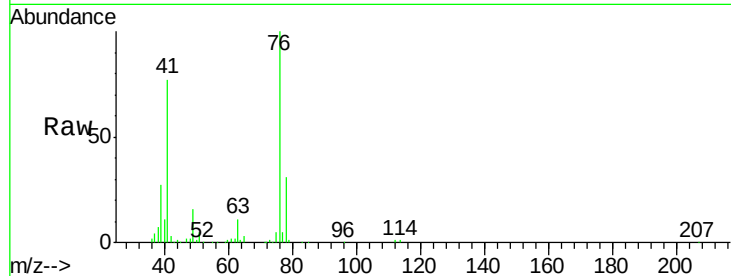
#57
 1,3-Dichloropropane
 Concen: 21.441 ug/l
 RT: 10.93 min Scan# 1480
 Delta R.T. -0.01 min
 Lab File: VW012321.D
 Acq: 30 Aug 2019 00:14

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0829SBS02

Tot Ion: 76 Resp: 66117
 Ion Ratio Lower Upper
 76 100
 78 32.9 25.8 38.8

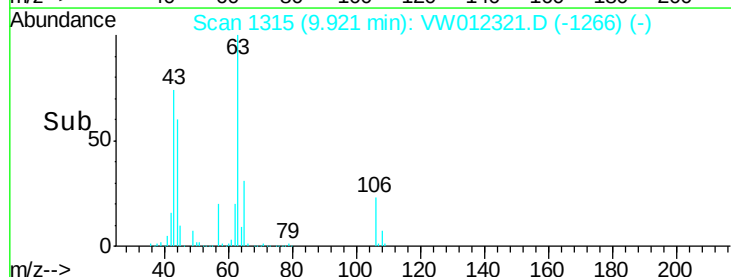
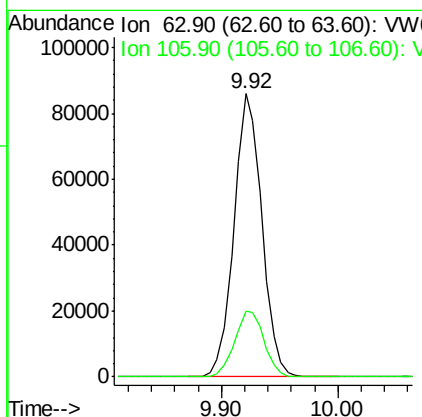
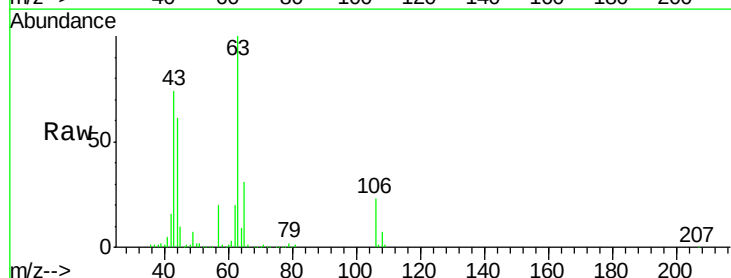
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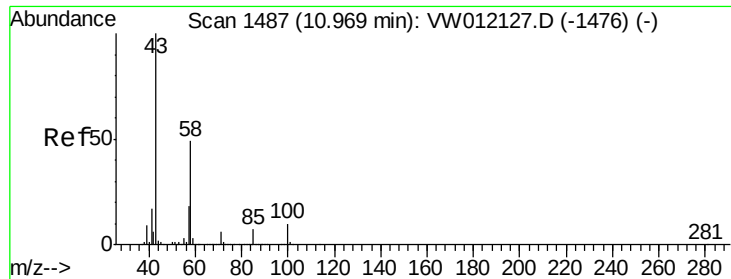
MMDadoda
 8/30/2019 11:44:29 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 117.612 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW012321.D
 Acq: 30 Aug 2019 00:14

Tgt Ion: 63 Resp: 143352
 Ion Ratio Lower Upper
 63 100
 106 24.4 19.8 29.8





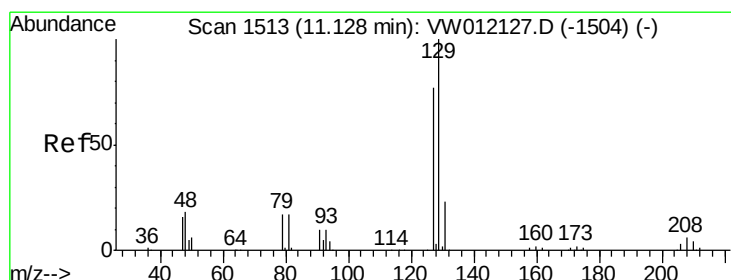
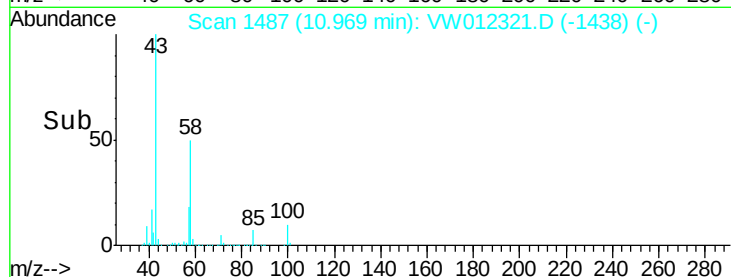
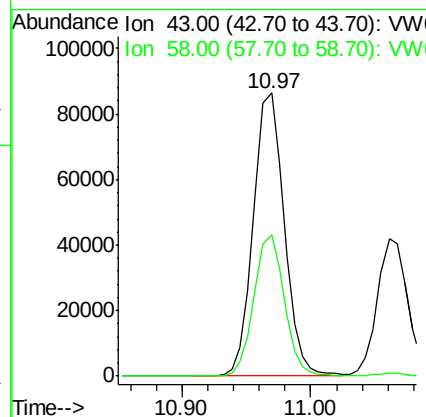
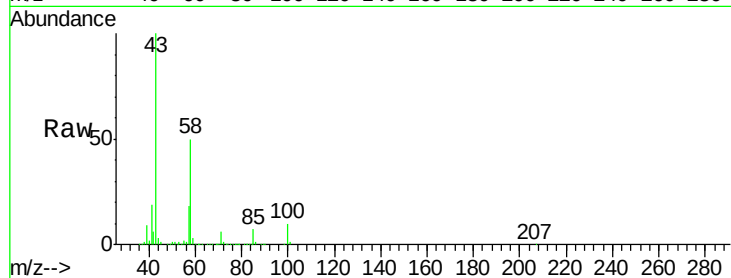
#59
2-Hexanone
Concen: 111.131 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW012321.D
Acq: 30 Aug 2019 00:14

Instrument :
MSVOA_W
ClientSampleID :
VW0829SBS02

Tot Ion	Ratio	Lower	Upper
43	100		
58	49.1	24.3	72.9

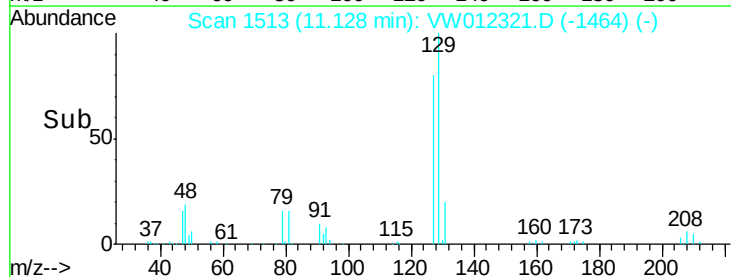
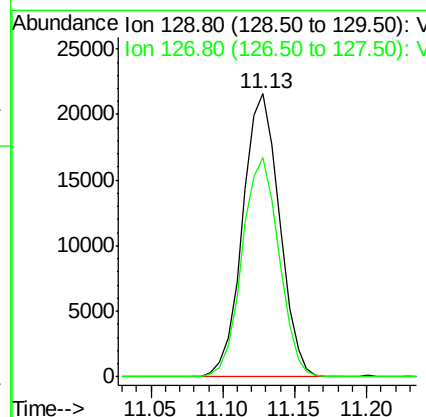
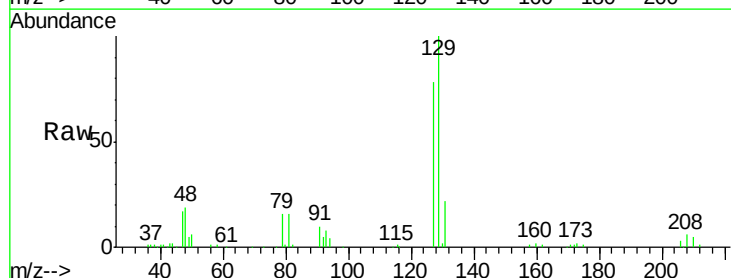
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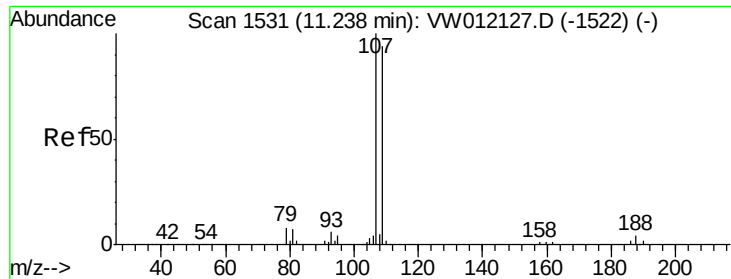
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8/30/2019 11:44:29 AM



#60
Dibromochloromethane
Concen: 21.050 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW012321.D
Acq: 30 Aug 2019 00:14

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.3	38.6	115.8





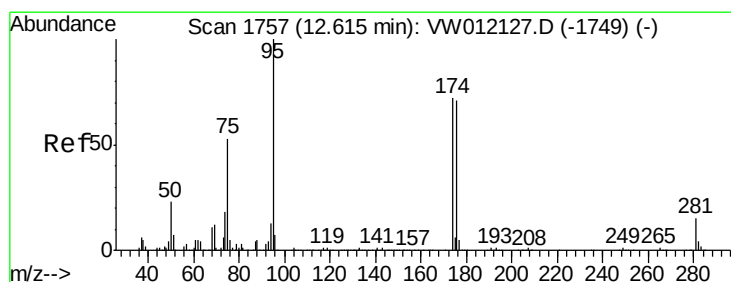
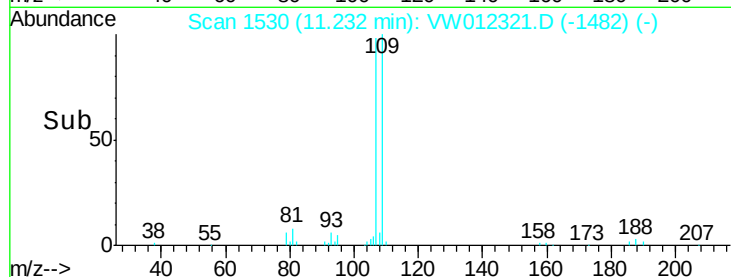
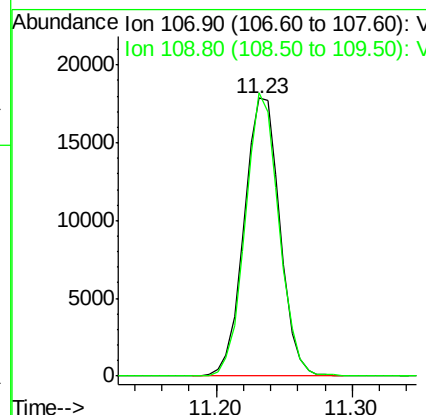
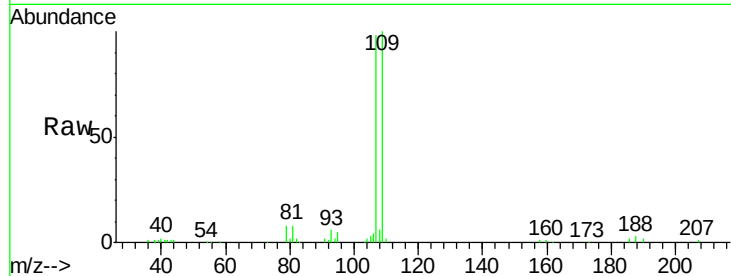
#61
 1,2-Dibromoethane
 Concen: 21.557 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW012321.D
 Acq: 30 Aug 2019 00:14

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0829SBS02

Tot Ion	Ratio	Lower	Upper
107	100		
109	96.2	75.4	113.2

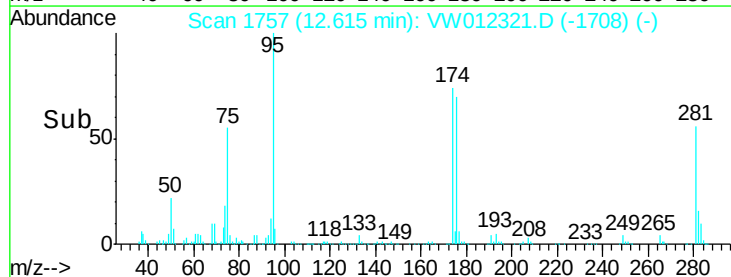
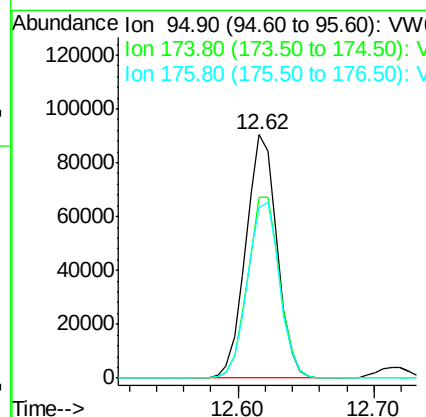
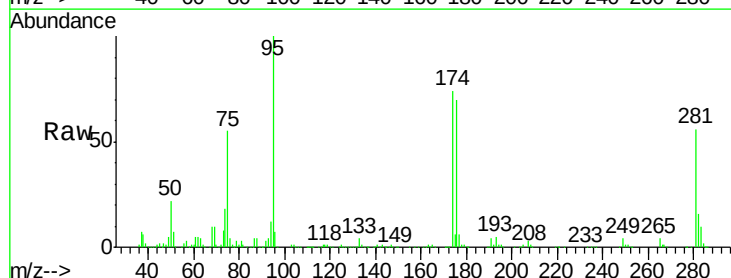
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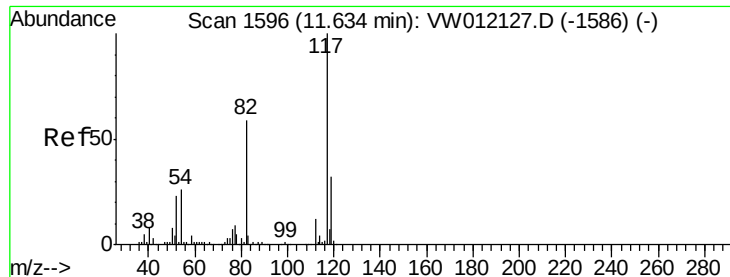
MMDadoda
 8/30/2019 11:44:29 AM



#62
 4-Bromofluorobenzene
 Concen: 49.714 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: VW012321.D
 Acq: 30 Aug 2019 00:14

Tgt Ion	Ratio	Lower	Upper
95	100		
174	76.7	0.0	150.8
176	74.6	0.0	148.6





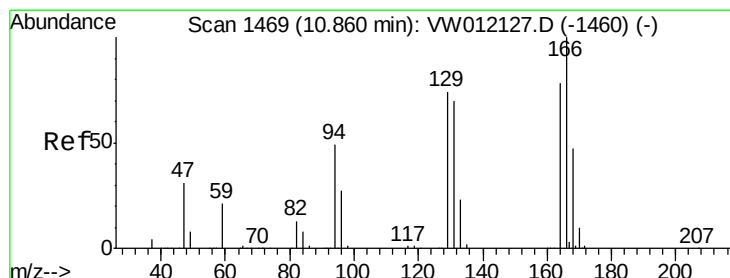
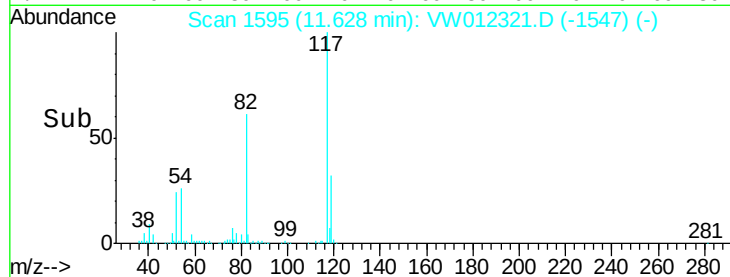
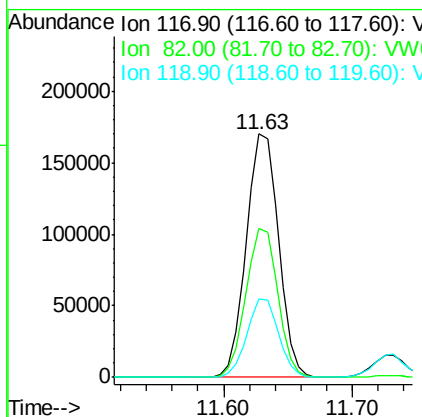
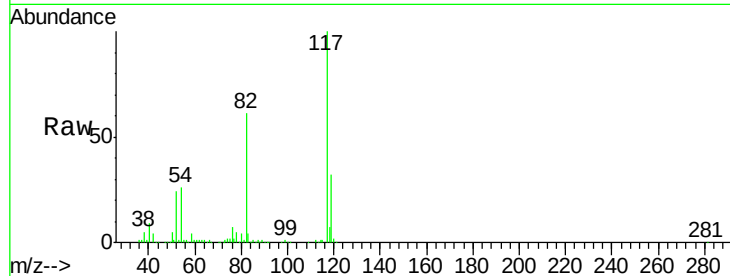
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012321.D
Acq: 30 Aug 2019 00:14

Instrument :
MSVOA_W
ClientSampleId :
VW0829SBSD02

Tot Ion	Ratio	Lower	Upper
117	100		
82	61.3	47.4	71.2
119	32.4	25.4	38.2

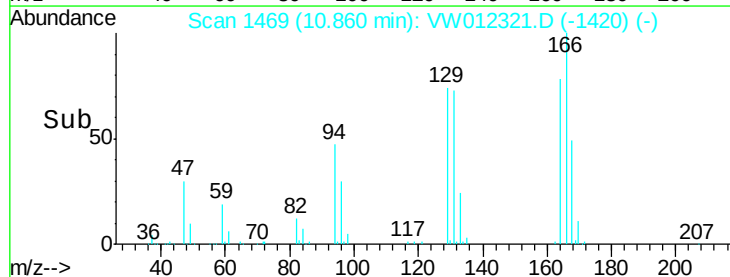
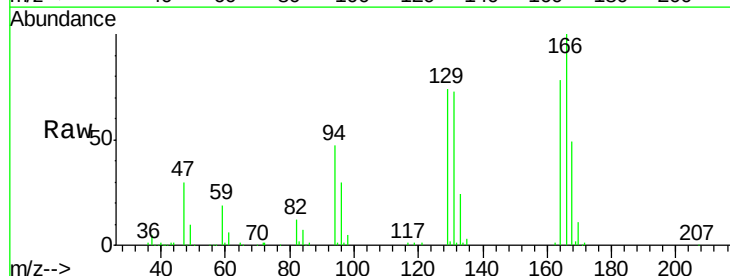
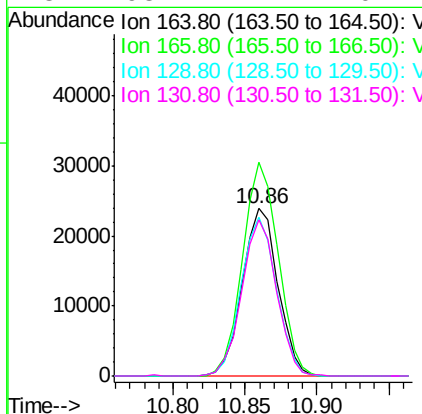
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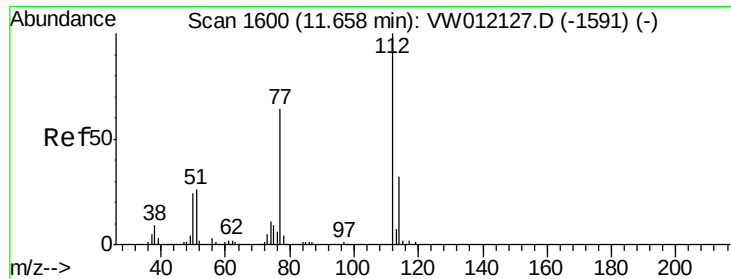
MMDadoda
8/30/2019 11:44:29 AM



#64
Tetrachloroethene
Concen: 21.513 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW012321.D
Acq: 30 Aug 2019 00:14

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.8	102.4	153.6
129	95.2	75.8	113.6
131	93.4	71.4	107.2





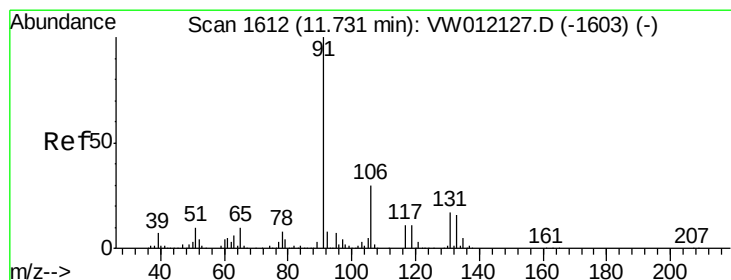
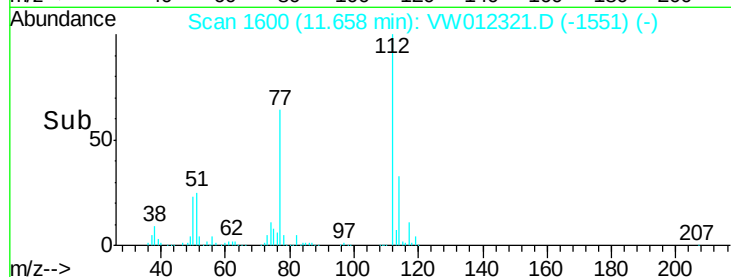
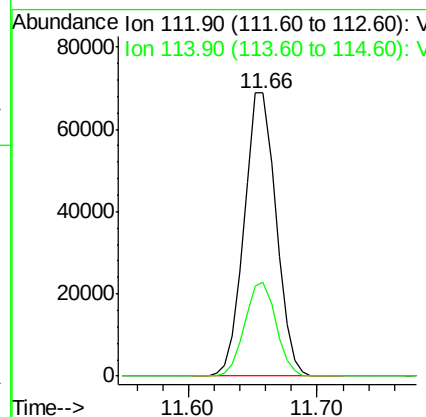
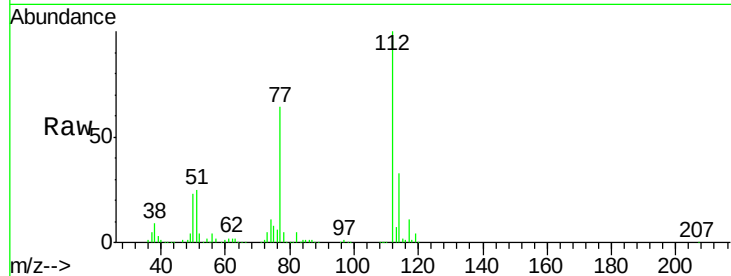
#65
Chlorobenzene
Concen: 20.344 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW012321.D
Acq: 30 Aug 2019 00:14

Instrument :
MSVOA_W
ClientSampleId :
VW0829SBS02

Tot Ion	Ratio	Lower	Upper
112	100		
114	33.4	25.8	38.6

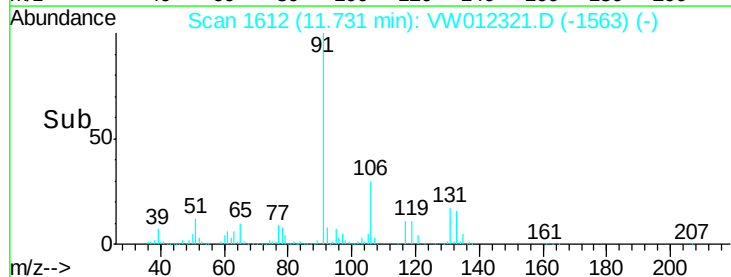
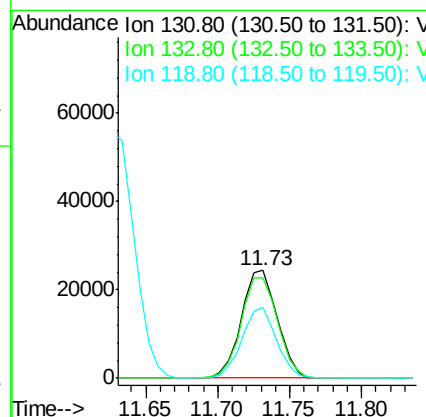
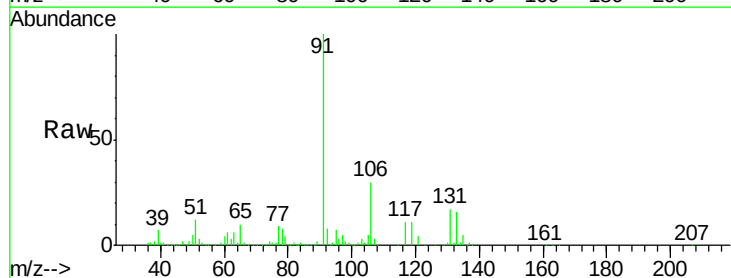
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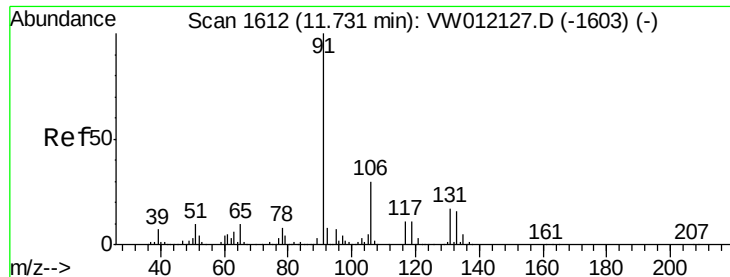
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.918 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW012321.D
Acq: 30 Aug 2019 00:14

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.3	47.1	141.3
119	63.3	31.8	95.3





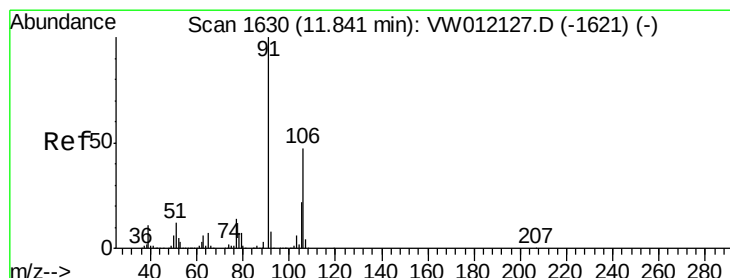
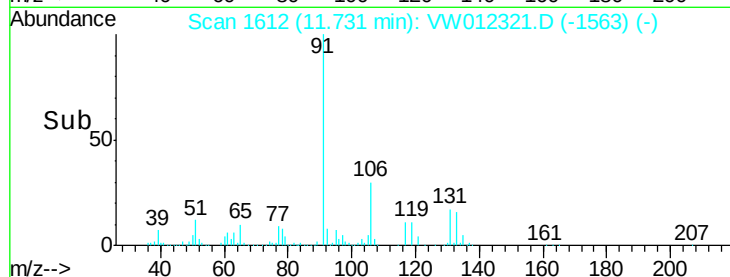
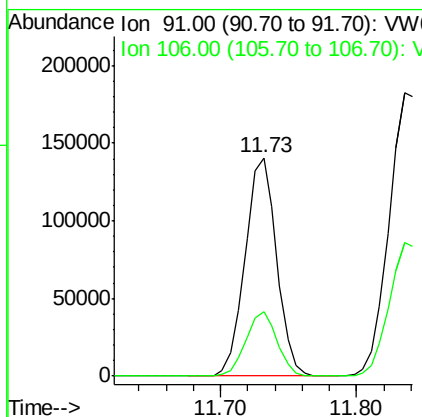
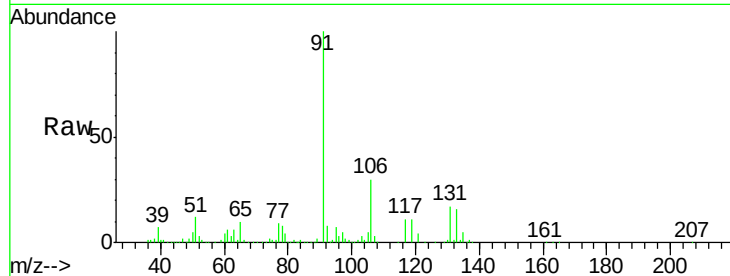
#67
Ethyl Benzene
Concen: 20.449 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW012321.D
Acq: 30 Aug 2019 00:14

Instrument :
MSVOA_W
ClientSampleId :
VW0829SBS02

Tot Ion	Ratio	Lower	Upper
91	100		
106	29.8	24.3	36.5

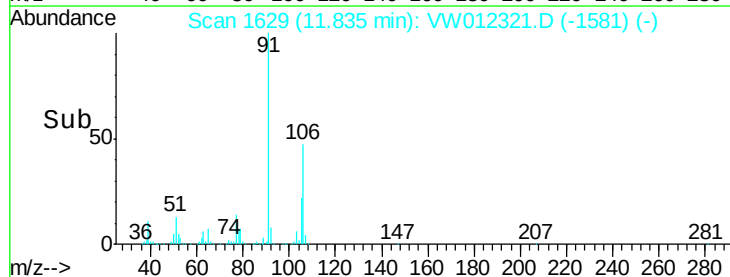
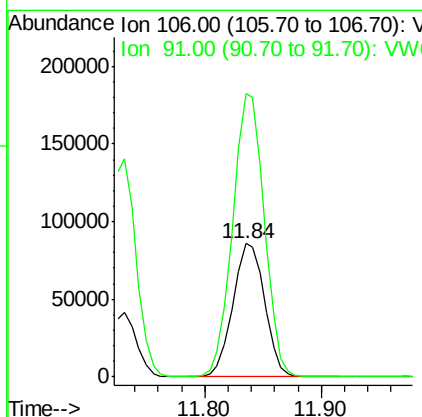
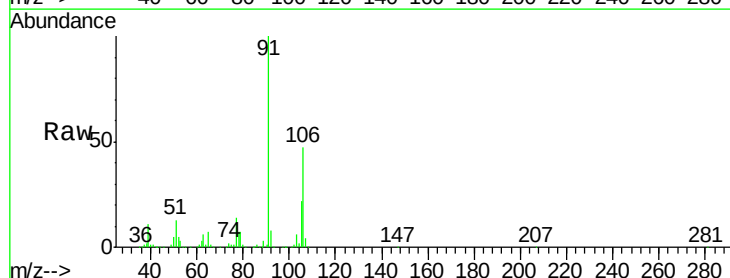
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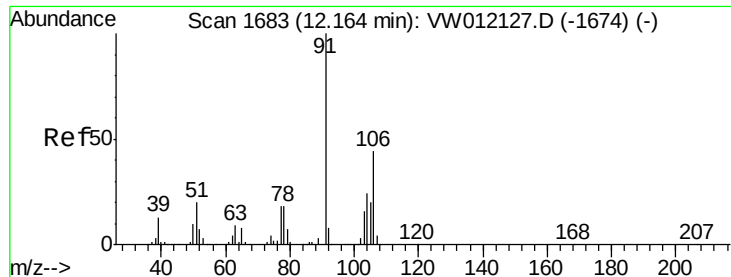
MMDadoda
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#68
m/p-Xylenes
Concen: 40.646 ug/l
RT: 11.84 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW012321.D
Acq: 30 Aug 2019 00:14

Tgt Ion	Ratio	Lower	Upper
106	100		
91	211.1	169.5	254.3





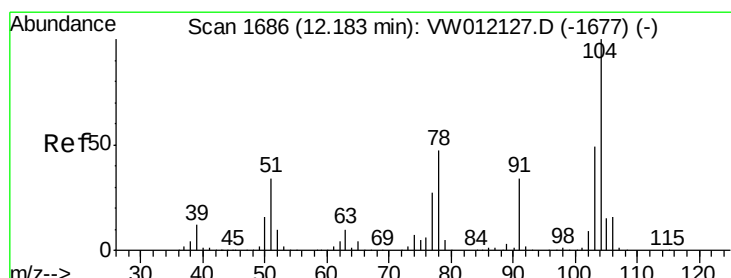
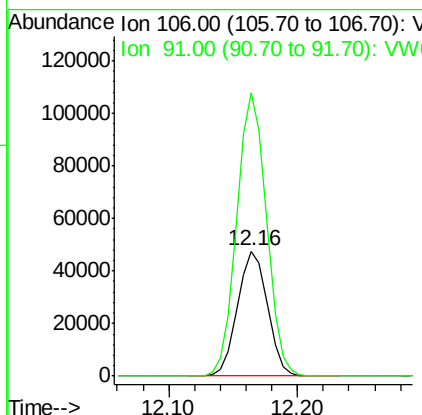
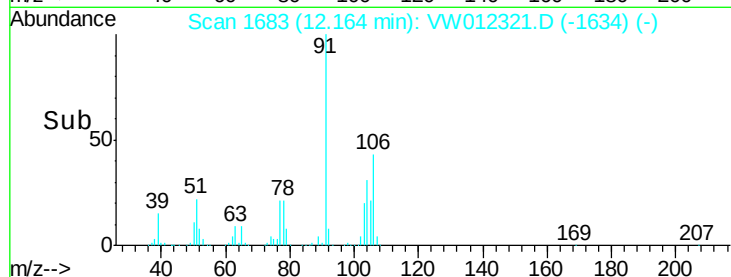
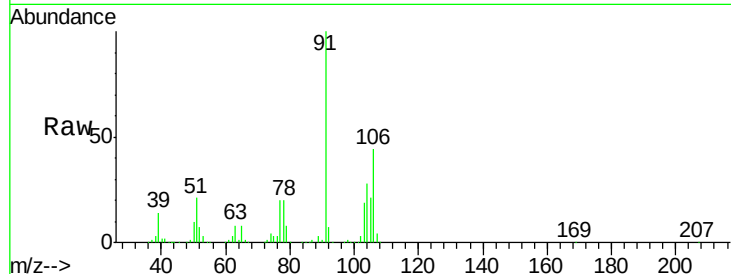
#69
o-Xylene
Concen: 20.616 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW012321.D
Acq: 30 Aug 2019 00:14

Instrument :
MSVOA_W
ClientSampleId :
VW0829SBS02

Tot Ion:106 Resp: 76652
Ion Ratio Lower Upper
106 100
91 224.8 111.6 334.6

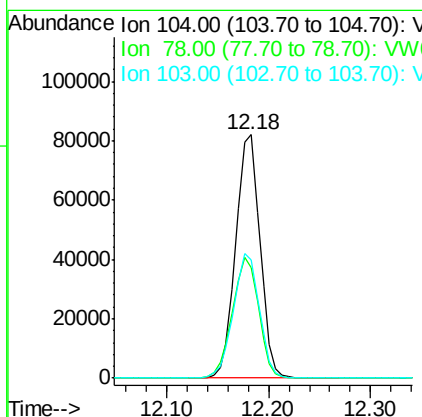
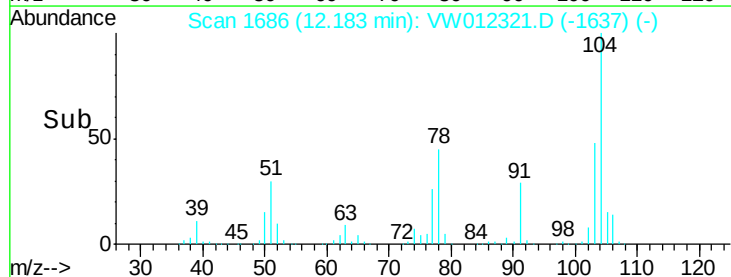
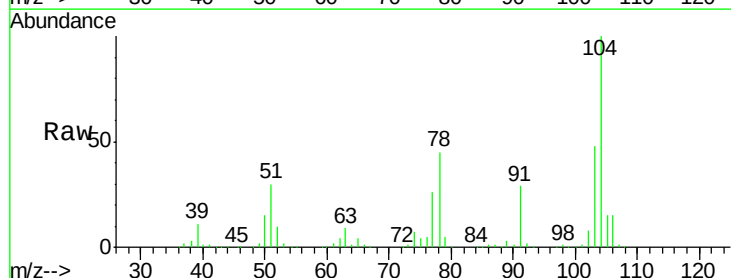
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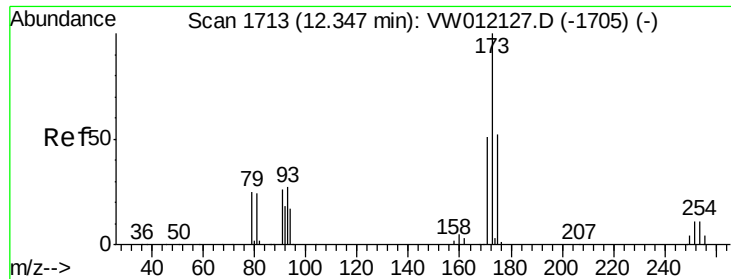
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#70
Styrene
Concen: 20.934 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW012321.D
Acq: 30 Aug 2019 00:14

Tgt Ion:104 Resp: 134720
Ion Ratio Lower Upper
104 100
78 53.7 43.1 64.7
103 54.5 43.5 65.3





#71

Bromoform

Concen: 21.468 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW012321.D

Acq: 30 Aug 2019 00:14

Instrument :

MSVOA_W

ClientSampleId :

VW0829SBSD02

Tot Ion:173 Resp: 21602

Ion Ratio Lower Upper

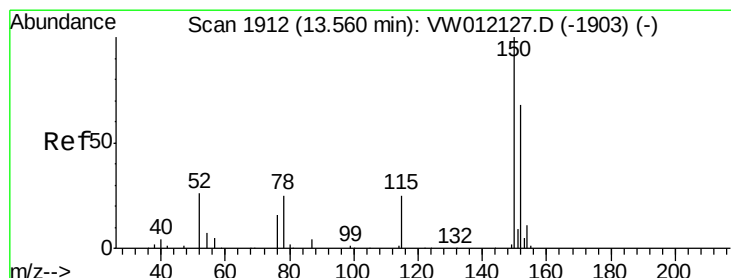
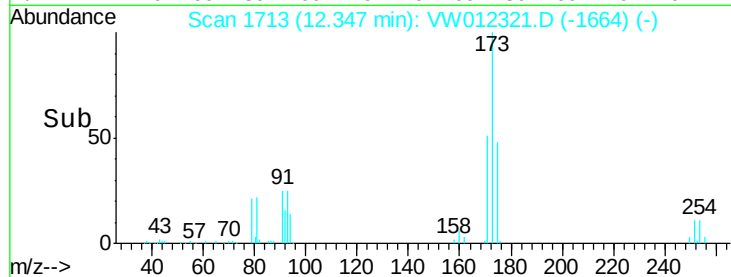
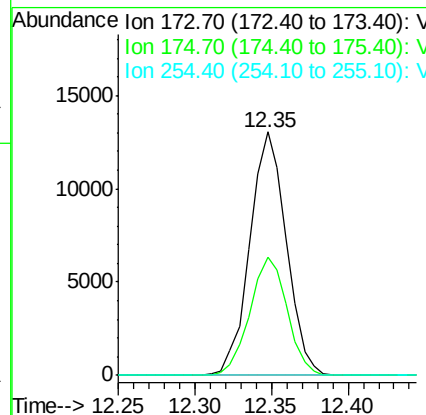
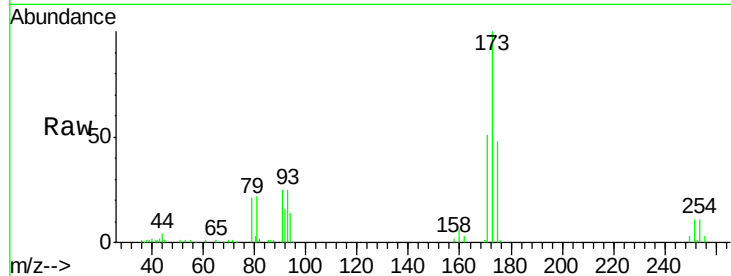
173 100

175 49.6 24.6 74.0

254 0.0 0.2 0.2#

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.55 min Scan# 1911

Delta R.T. -0.01 min

Lab File: VW012321.D

Acq: 30 Aug 2019 00:14

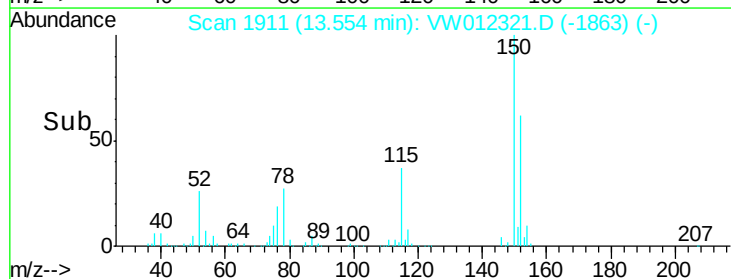
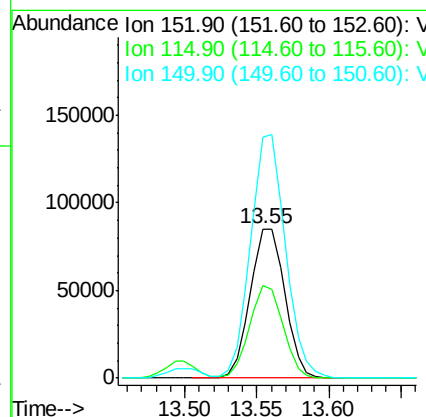
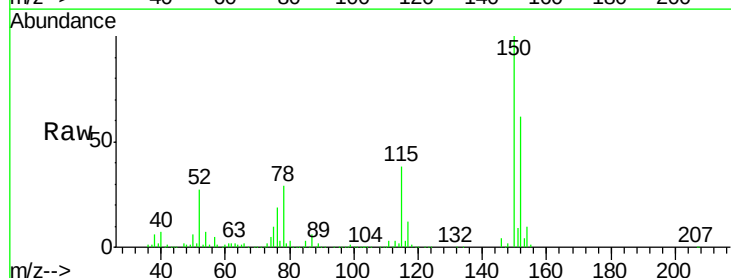
Tgt Ion:152 Resp: 141248

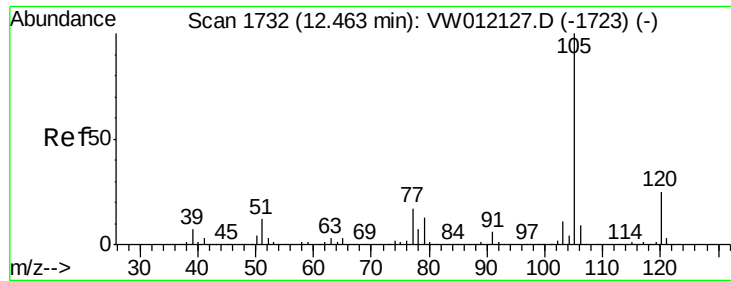
Ion Ratio Lower Upper

152 100

115 60.2 30.1 90.3

150 164.6 0.0 345.8





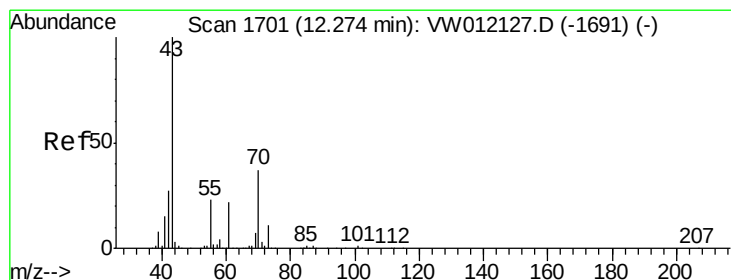
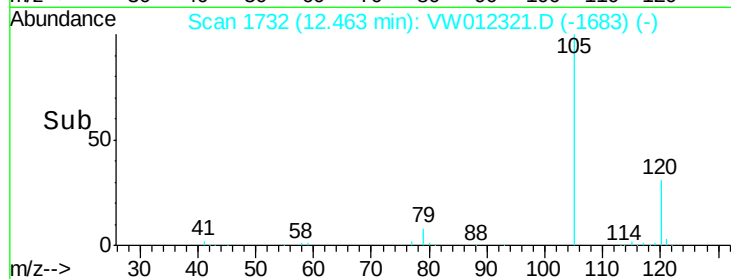
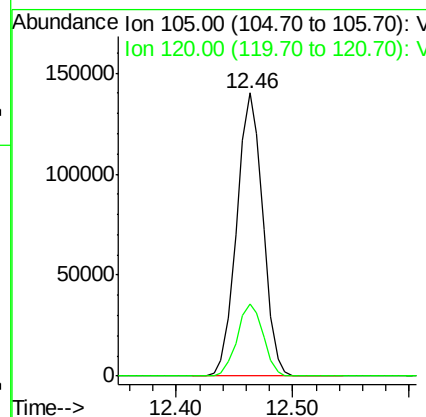
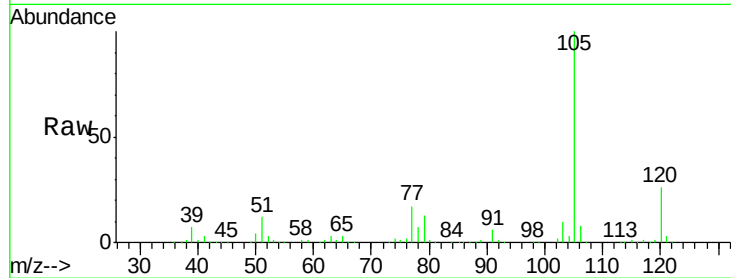
#73
Isopropylbenzene
Concen: 20.710 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. 0.00 min
Lab File: VW012321.D
Acq: 30 Aug 2019 00:14

Instrument :
MSVOA_W
ClientSampleId :
VW0829SBS02

Tot Ion	Ratio	Resp	Lower	Upper
105	100	219195		
120	25.6	12.5	37.5	

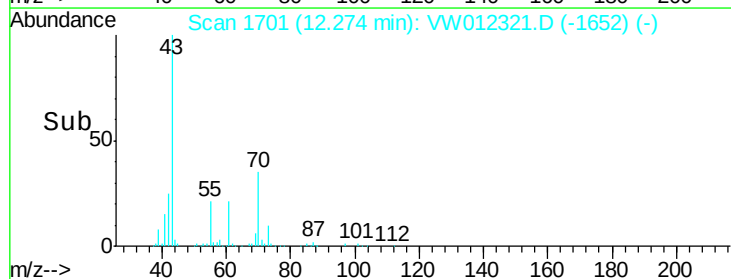
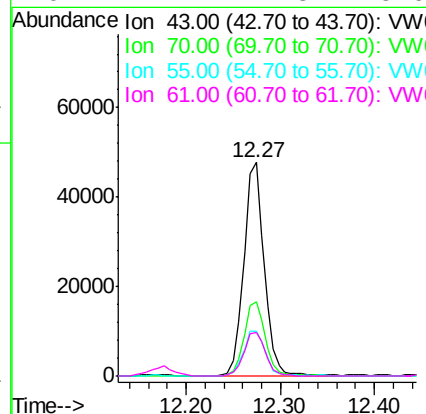
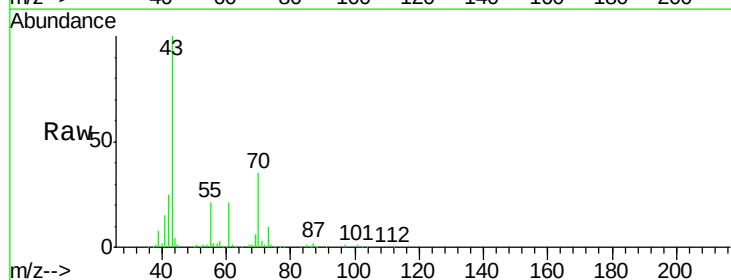
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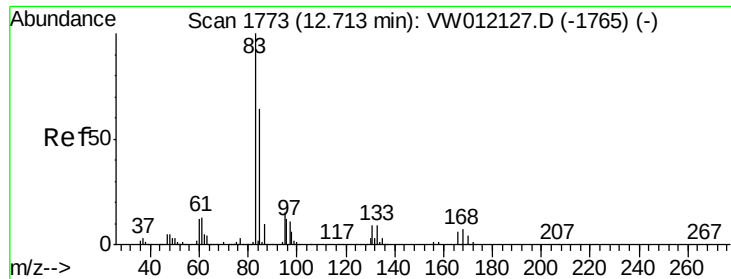
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#74
N-ethyl acetate
Concen: 22.389 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. 0.00 min
Lab File: VW012321.D
Acq: 30 Aug 2019 00:14

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	71593		
70	36.0	28.6	43.0	
55	22.7	17.8	26.6	
61	21.7	17.3	25.9	





#75

1,1,2,2-Tetrachloroethane

Concen: 22.170 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW012321.D

Acq: 30 Aug 2019 00:14

Instrument :

MSVOA_W

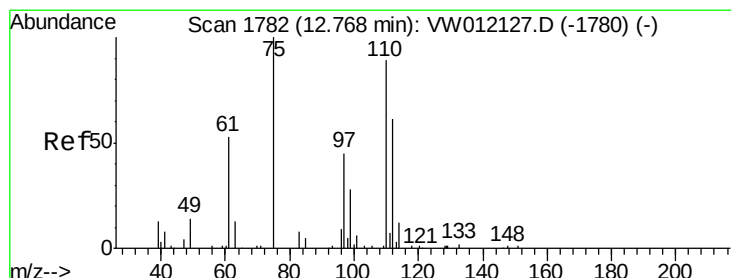
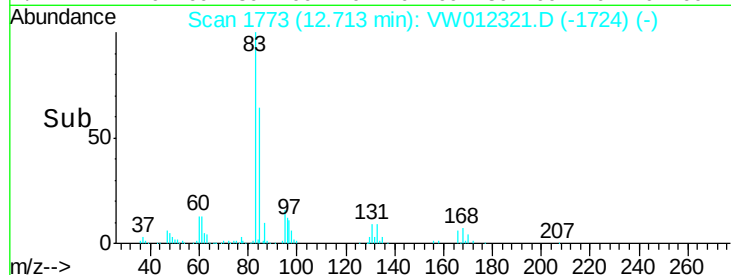
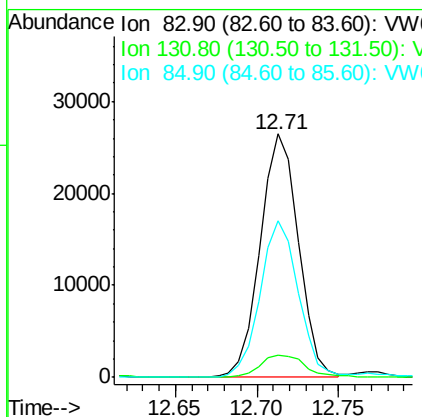
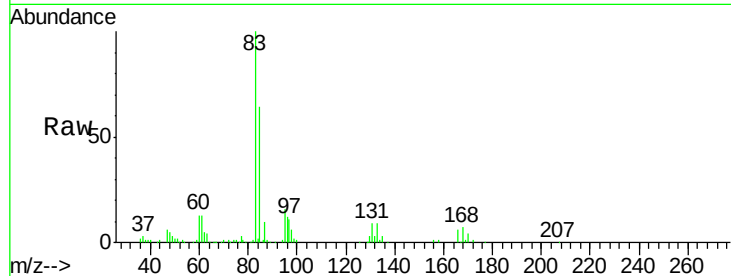
ClientSampleId :

VW0829SBS02

Tot Ion:	83	Resp:	43017
Ion Ratio	Lower	Upper	
83	100		
131	10.8	4.9	14.7
85	64.4	31.9	95.7

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#76

1,2,3-Trichloropropane

Concen: 21.216 ug/l m

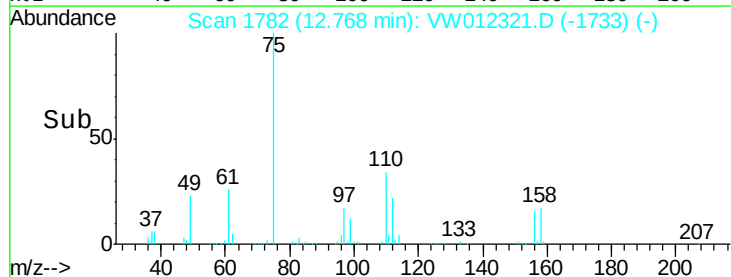
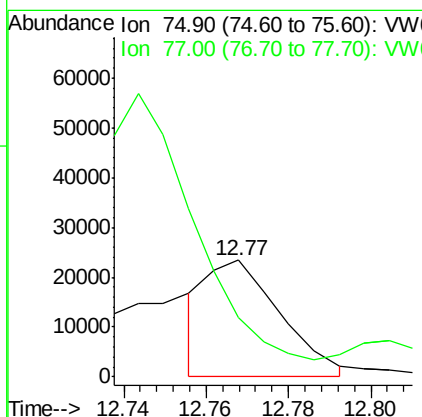
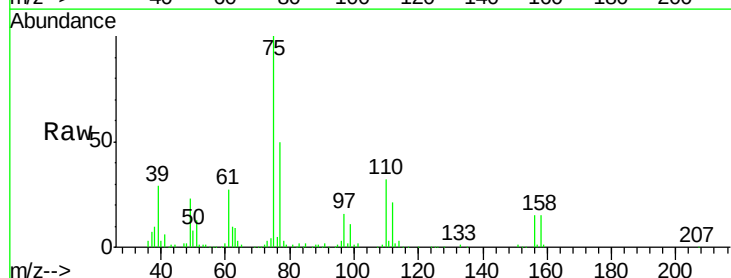
RT: 12.77 min Scan# 1782

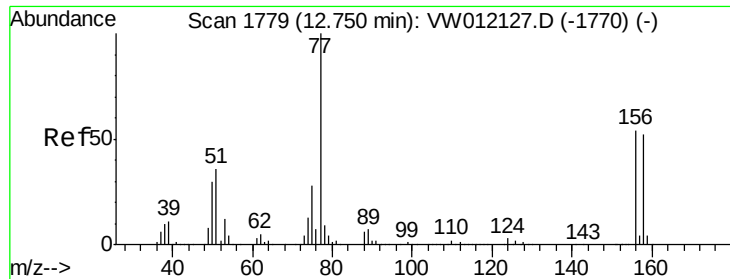
Delta R.T. 0.00 min

Lab File: VW012321.D

Acq: 30 Aug 2019 00:14

Tgt Ion:	75	Resp:	29186
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 21.012 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.01 min

Lab File: VW012321.D

Acq: 30 Aug 2019 00:14

Instrument :

MSVOA_W

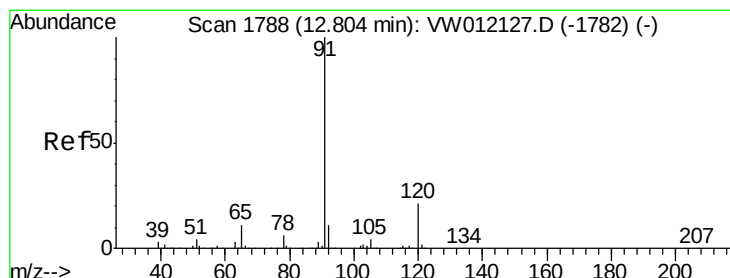
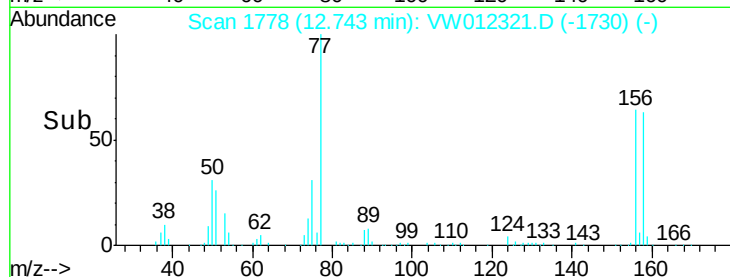
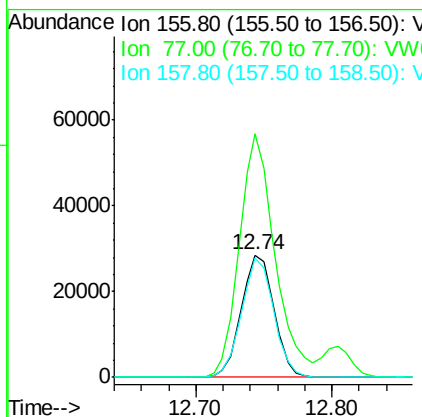
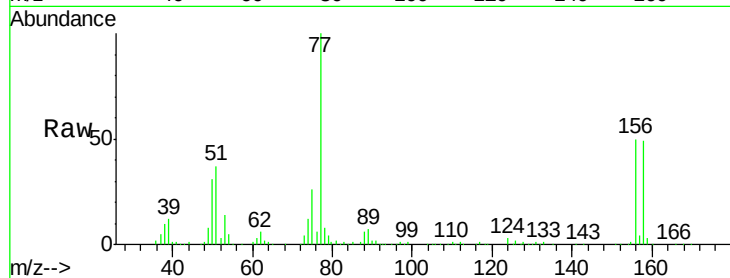
ClientSampleId :

VW0829SBS02

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	215.7	107.3	321.8	
158	95.7	49.0	147.0	

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8/30/2019 11:44:29 AM



#78

n-propylbenzene

Concen: 20.579 ug/l

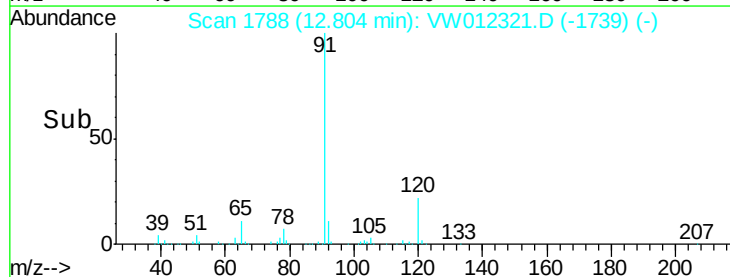
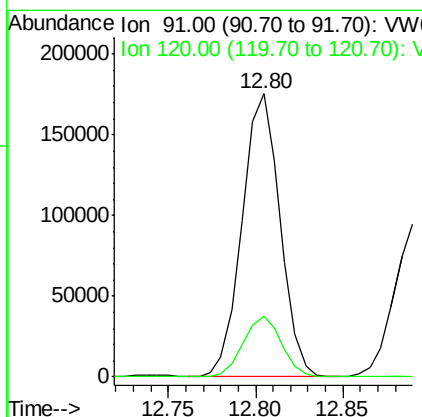
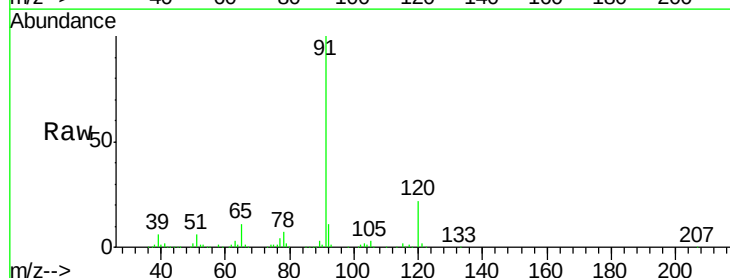
RT: 12.80 min Scan# 1788

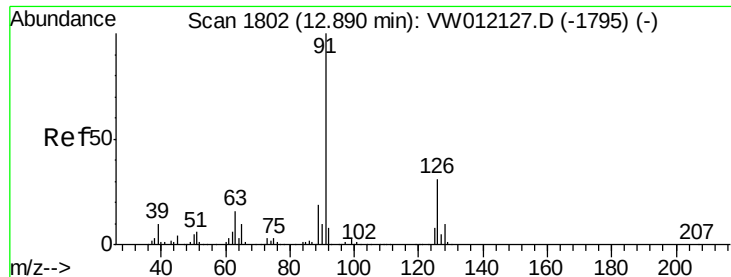
Delta R.T. 0.00 min

Lab File: VW012321.D

Acq: 30 Aug 2019 00:14

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	21.6	10.5	31.6	





#79

2-Chlorotoluene

Concen: 20.585 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VW012321.D

Acq: 30 Aug 2019 00:14

Instrument :

MSVOA_W

ClientSampleId :

VW0829SBS02

Tot Ion: 91 Resp: 151003

Ion Ratio Lower Upper

91 100

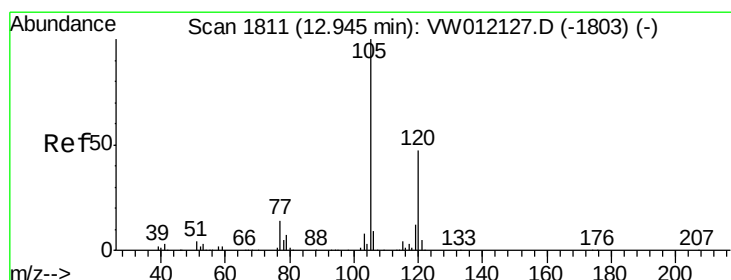
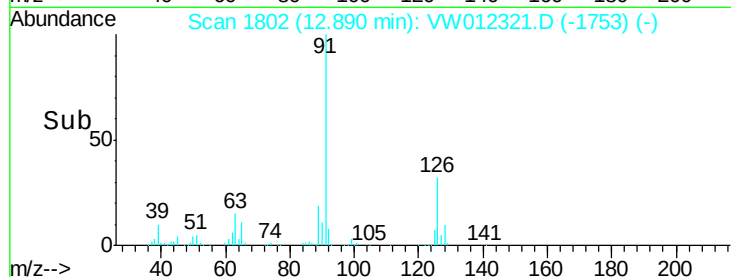
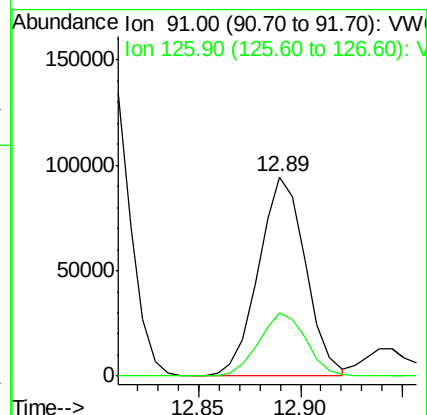
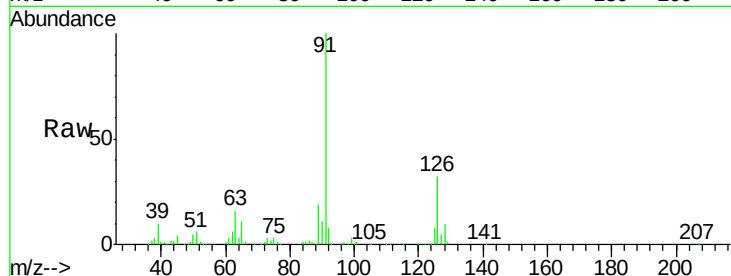
126 32.2 15.7 47.0

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#80

1,3,5-Trimethylbenzene

Concen: 20.879 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW012321.D

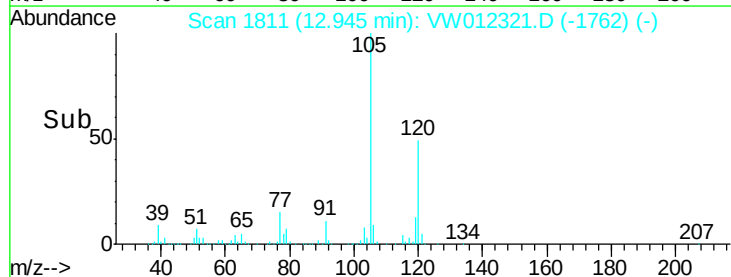
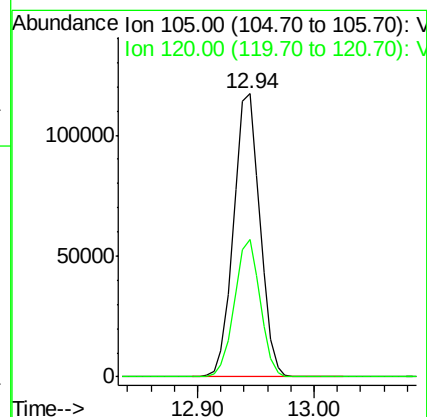
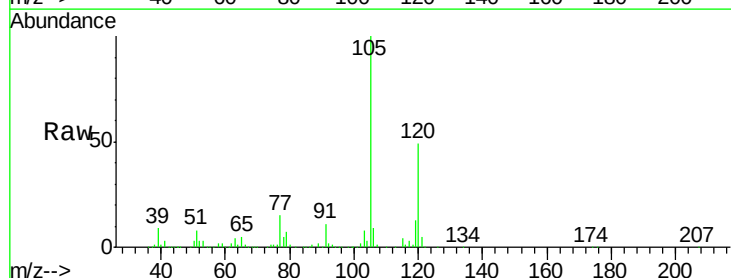
Acq: 30 Aug 2019 00:14

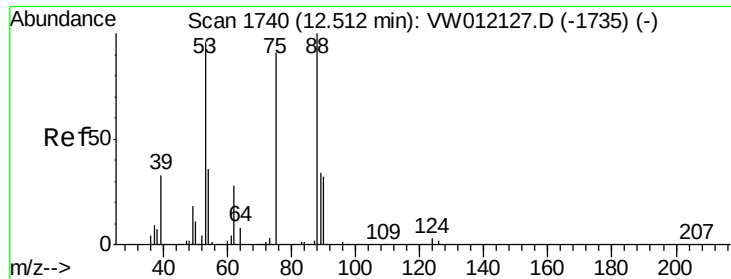
Tgt Ion: 105 Resp: 184651

Ion Ratio Lower Upper

105 100

120 47.5 24.0 72.0





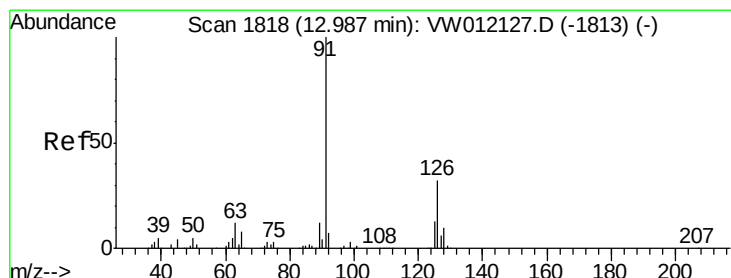
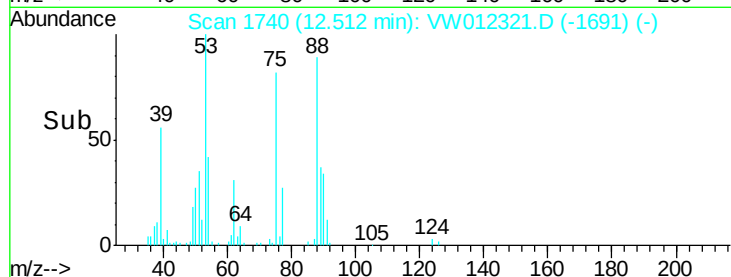
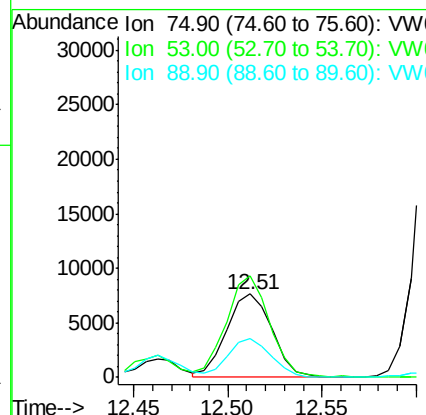
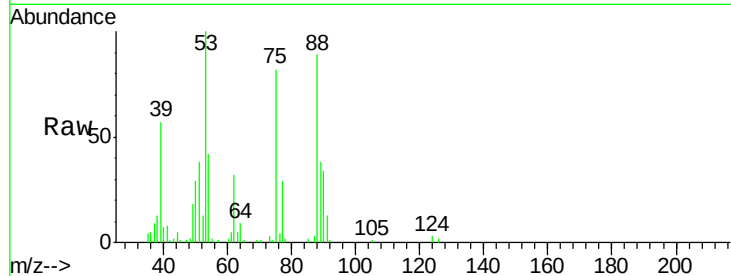
#81
trans-1,4-Dichloro-2-butene
Concen: 20.378 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW012321.D
Acq: 30 Aug 2019 00:14

Instrument :
MSVOA_W
ClientSampleId :
VW0829SBSD02

Tot Ion	Ratio	Lower	Upper
75	100		
53	117.0	89.4	134.0
89	43.9	34.5	51.7

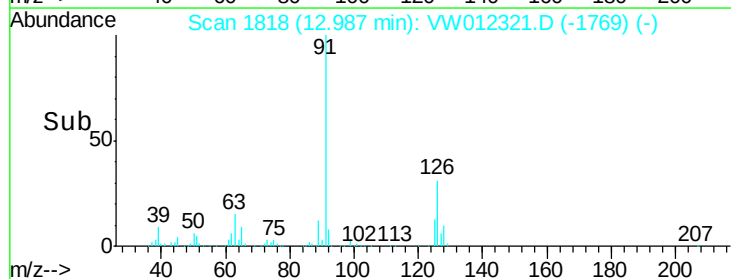
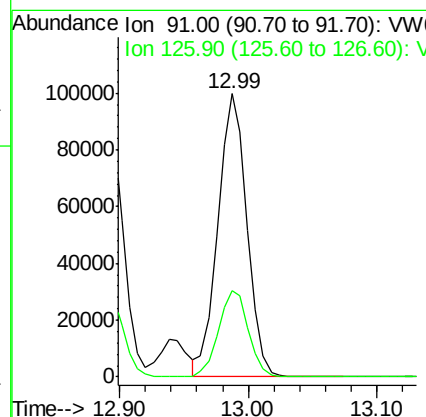
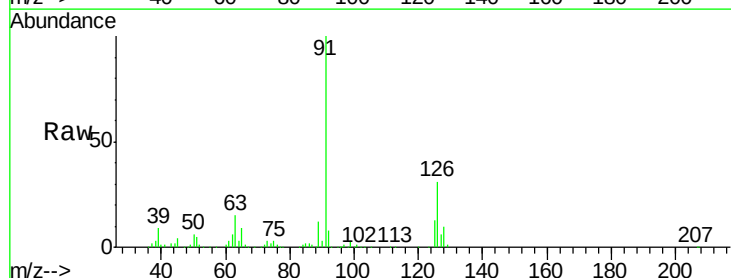
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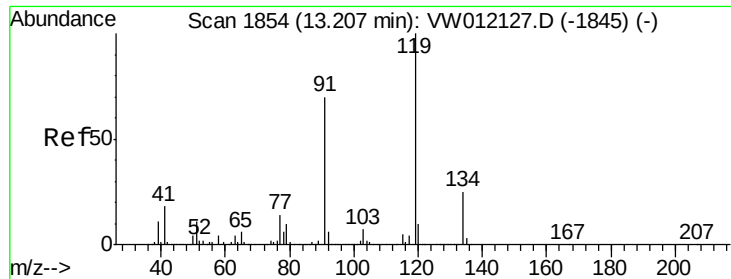
MMDadoda
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#82
4-Chlorotoluene
Concen: 20.479 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. 0.00 min
Lab File: VW012321.D
Acq: 30 Aug 2019 00:14

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.5	15.6	46.8





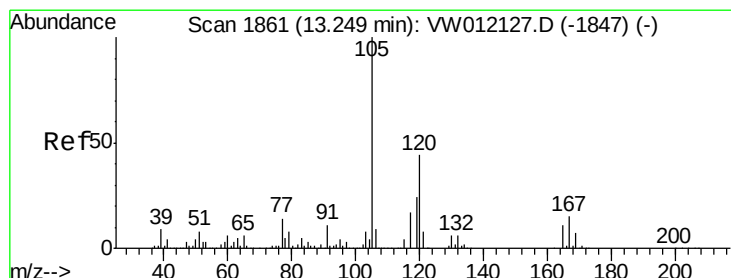
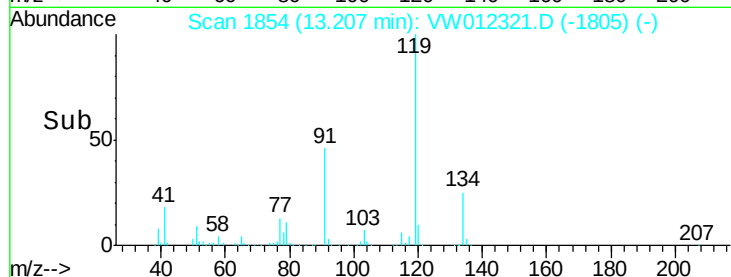
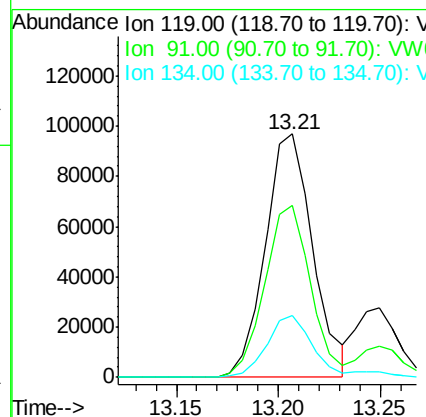
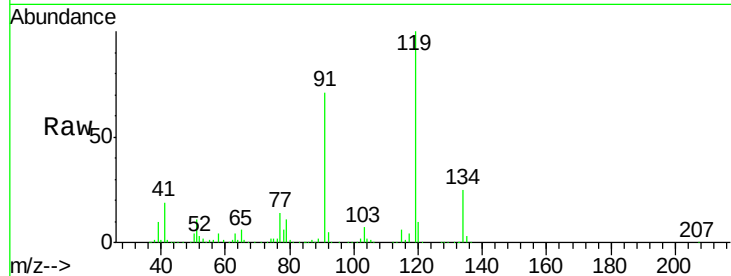
#83
 tert-Butylbenzene
 Concen: 21.051 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VW012321.D
 Acq: 30 Aug 2019 00:14

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0829SBS02

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.3	34.8	104.3
134	24.5	13.3	39.8

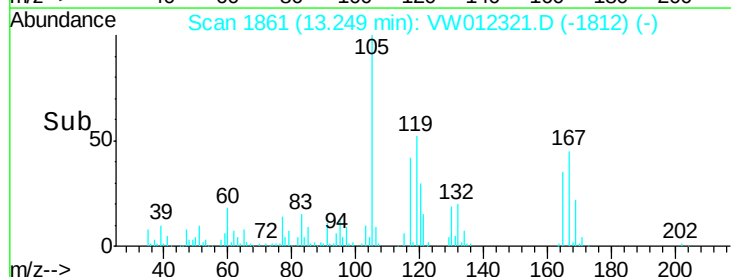
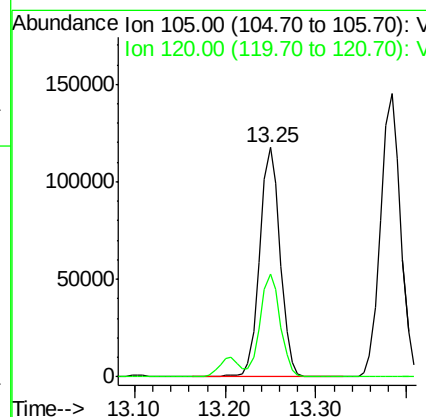
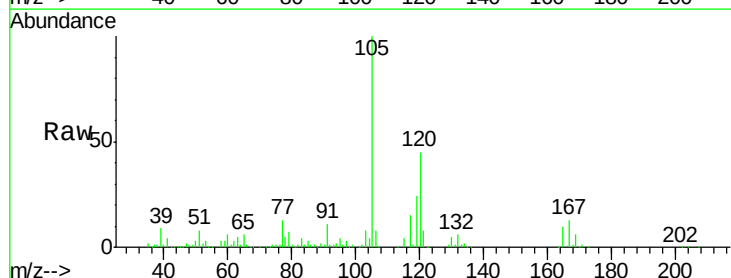
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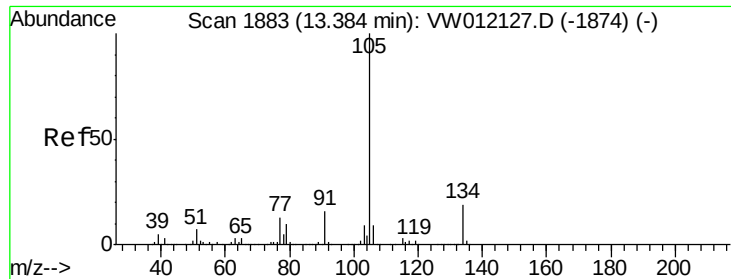
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 8/30/2019 11:44:29 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 20.711 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VW012321.D
 Acq: 30 Aug 2019 00:14

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.4	21.9	65.7





#85

sec-Butylbenzene

Concen: 20.713 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW012321.D

Acq: 30 Aug 2019 00:14

Instrument :

MSVOA_W

ClientSampleId :

VW0829SBS02

Tot Ion:105 Resp: 222314

Ion Ratio Lower Upper

105 100

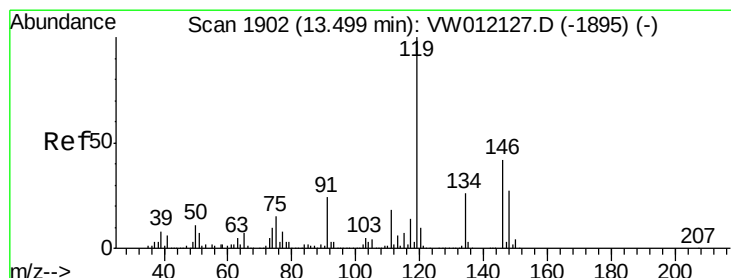
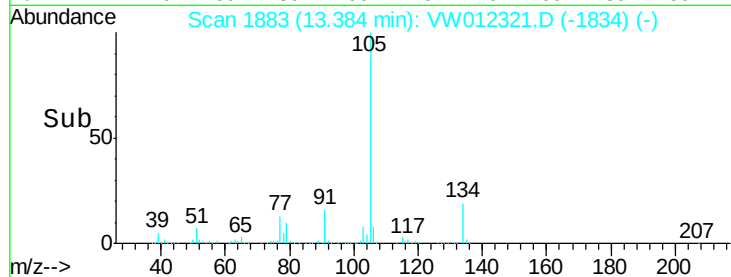
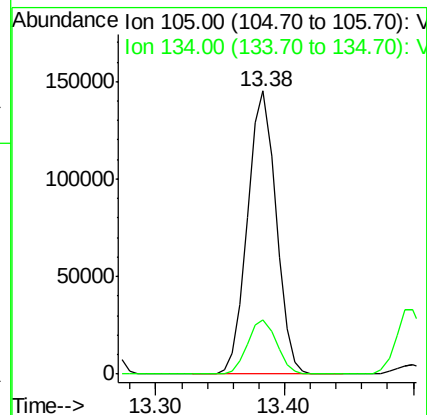
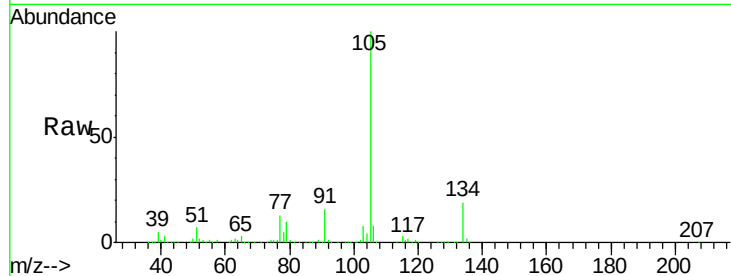
134 19.6 9.8 29.4

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#86

p-Isopropyltoluene

Concen: 20.769 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW012321.D

Acq: 30 Aug 2019 00:14

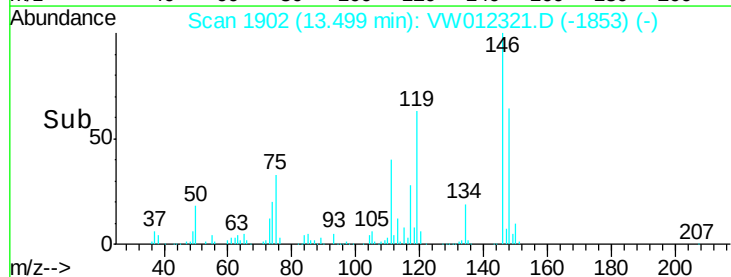
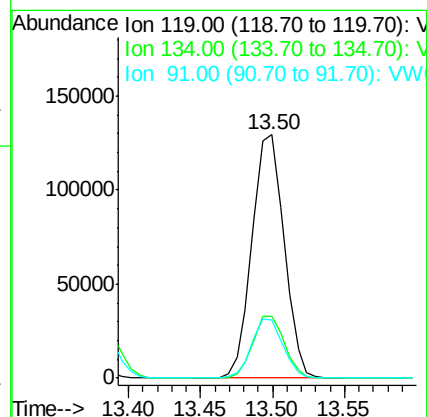
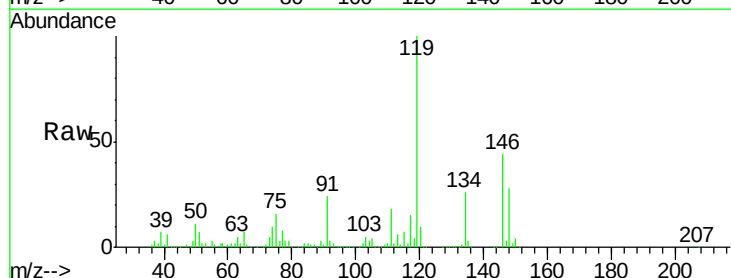
Tgt Ion:119 Resp: 199070

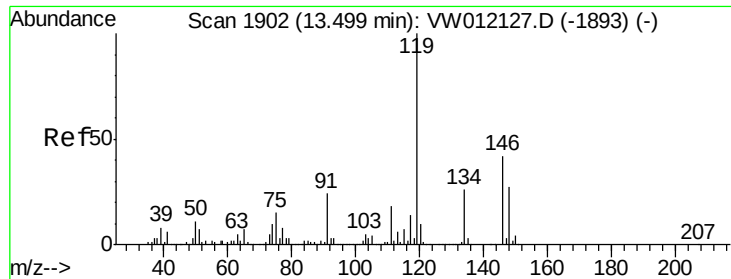
Ion Ratio Lower Upper

119 100

134 25.4 12.8 38.3

91 23.8 12.3 36.9





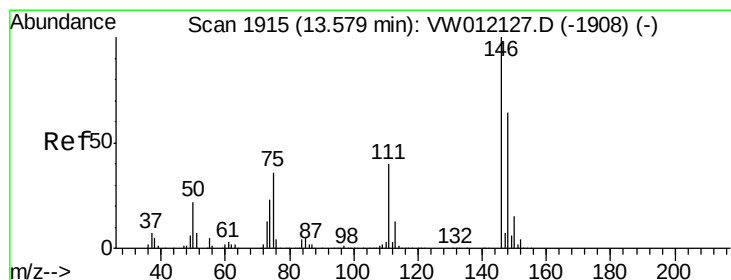
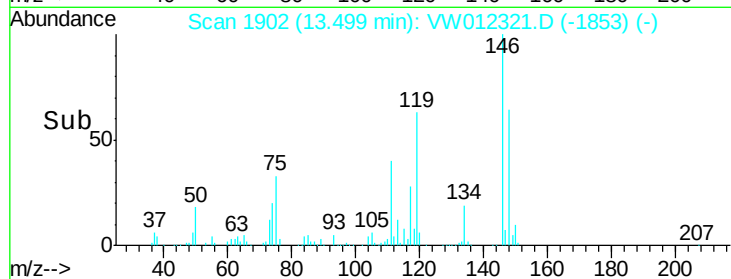
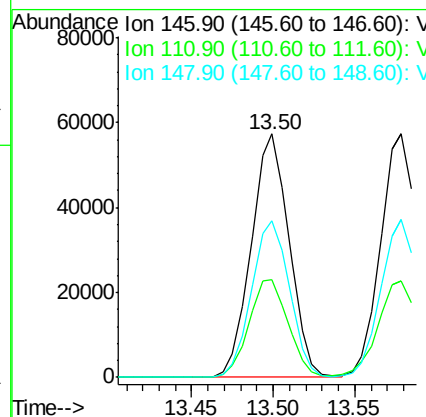
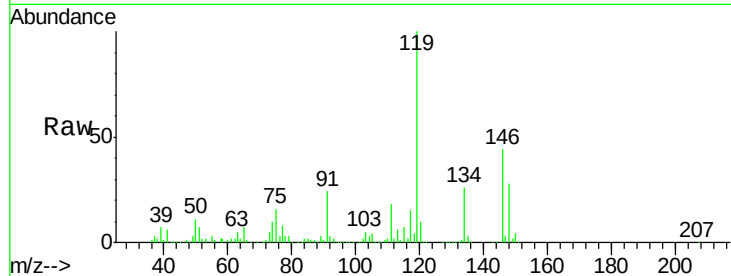
#87
 1,3-Dichlorobenzene
 Concen: 20.764 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW012321.D
 Acq: 30 Aug 2019 00:14

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0829SBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.2	20.9	62.7
148	64.4	32.2	96.6

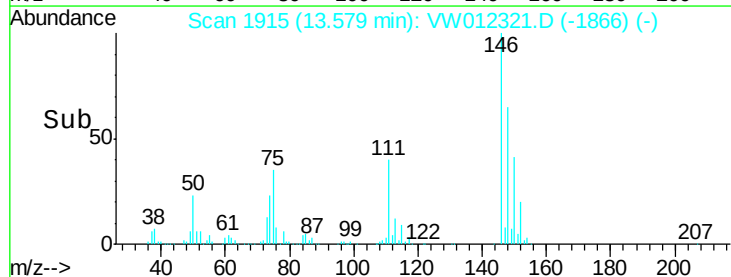
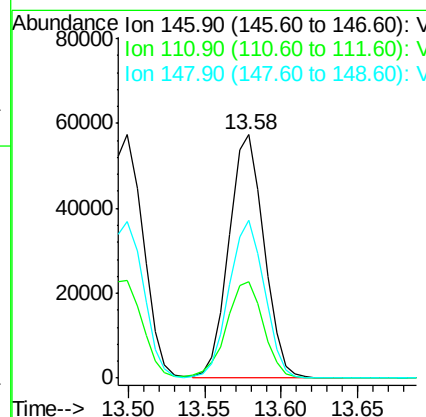
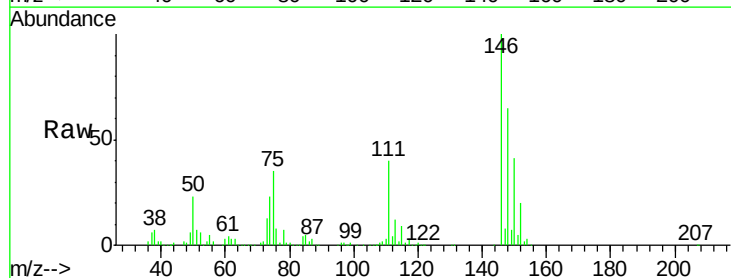
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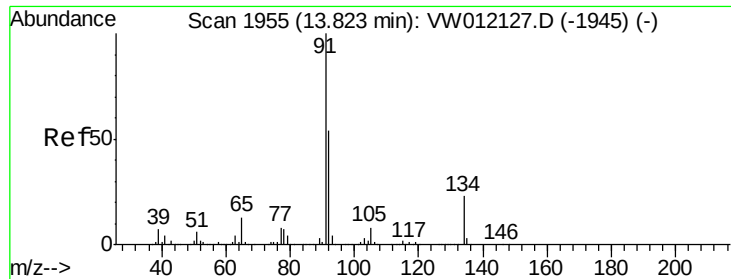
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#88
 1,4-Dichlorobenzene
 Concen: 20.572 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW012321.D
 Acq: 30 Aug 2019 00:14

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.7	20.0	60.0
148	65.4	32.1	96.3





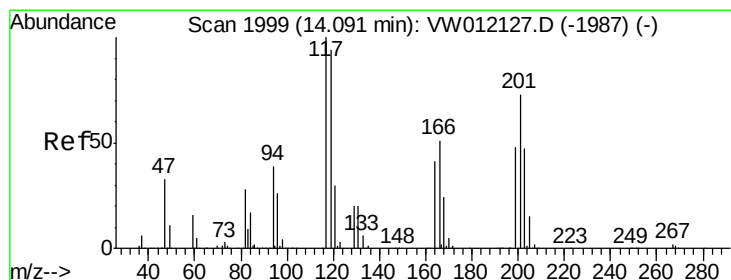
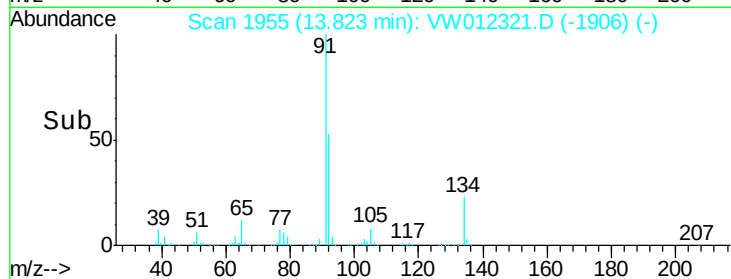
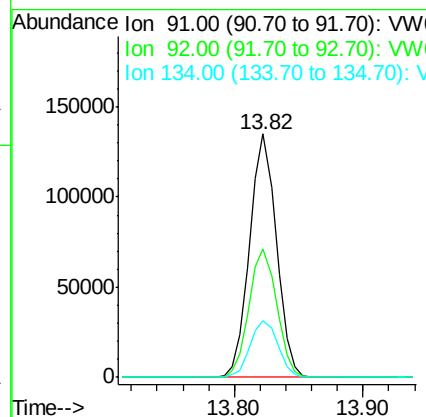
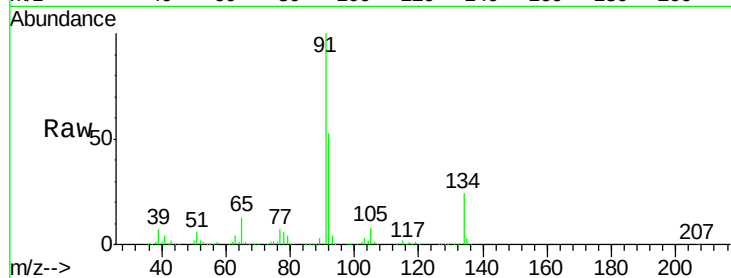
#89
n-Butylbenzene
Concen: 20.312 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. 0.00 min
Lab File: VW012321.D
Acq: 30 Aug 2019 00:14

Instrument :
MSVOA_W
ClientSampleId :
VW0829SBS02

Tot Ion	Ratio	Resp	Lower	Upper
91	100	193615		
92	54.5	27.1	81.2	
134	24.3	12.2	36.4	

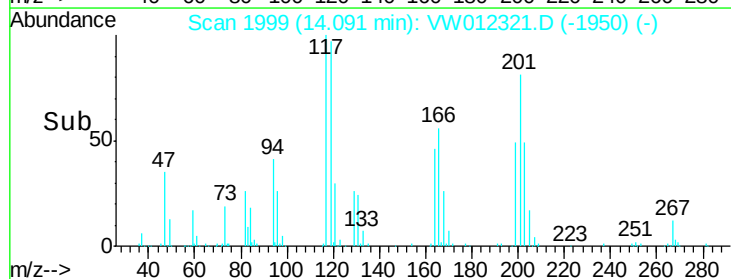
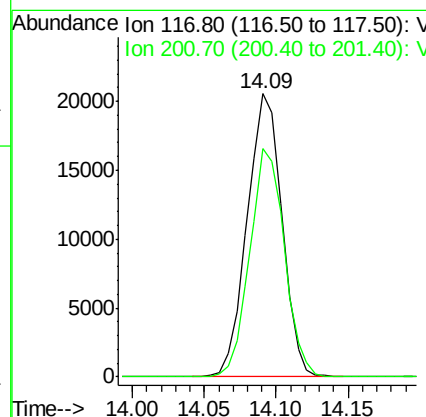
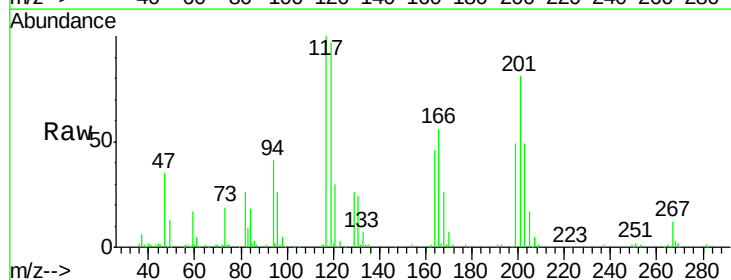
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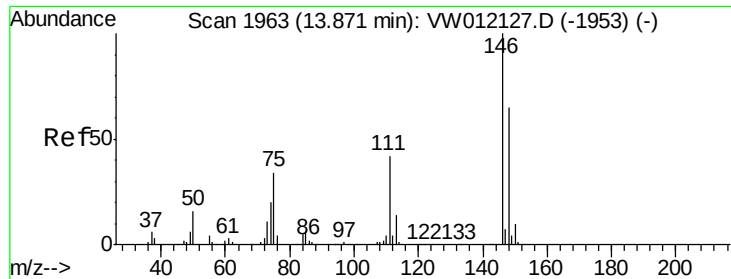
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#90
Hexachloroethane
Concen: 20.402 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. 0.00 min
Lab File: VW012321.D
Acq: 30 Aug 2019 00:14

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	34310		
201	80.2	38.6	115.7	





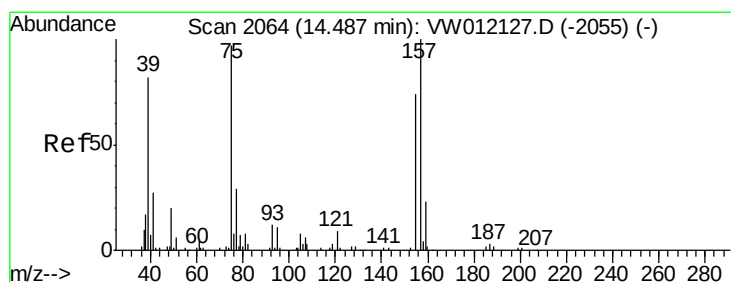
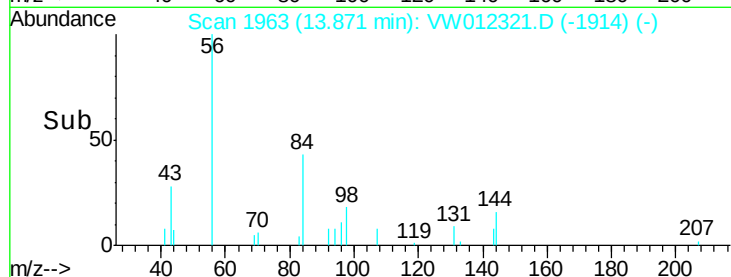
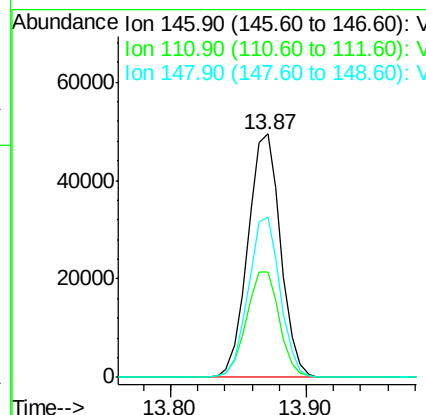
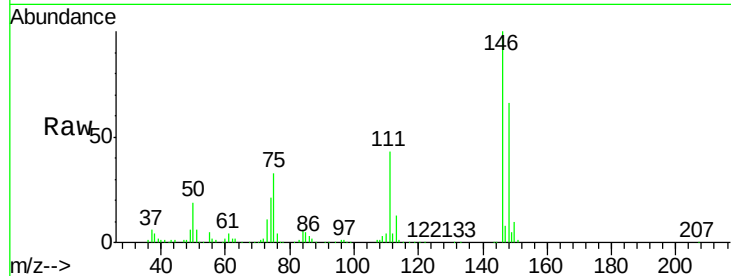
#91
 1,2-Dichlorobenzene
 Concen: 21.158 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW012321.D
 Acq: 30 Aug 2019 00:14

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0829SBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.6	21.2	63.6
148	64.2	32.5	97.4

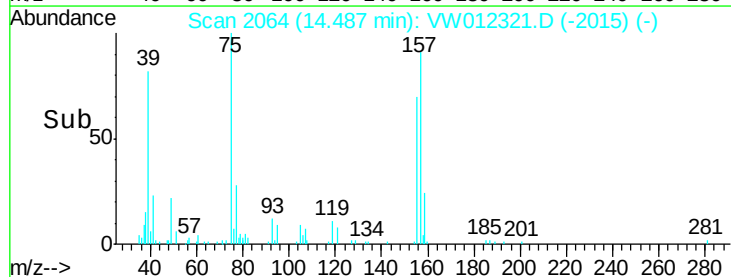
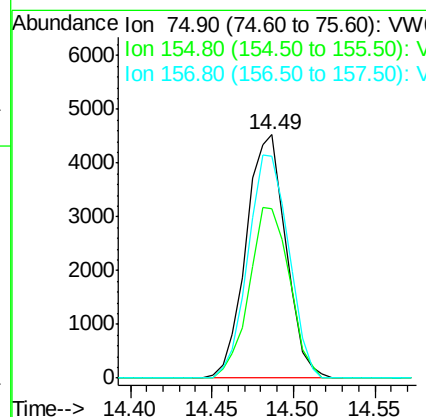
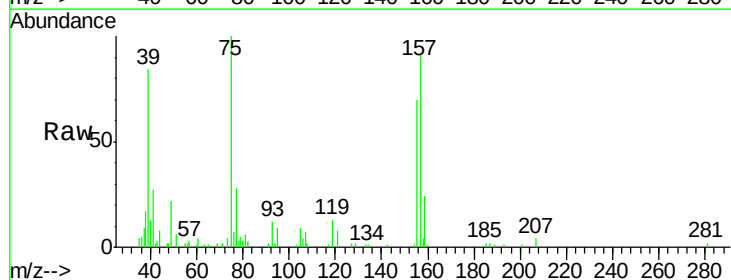
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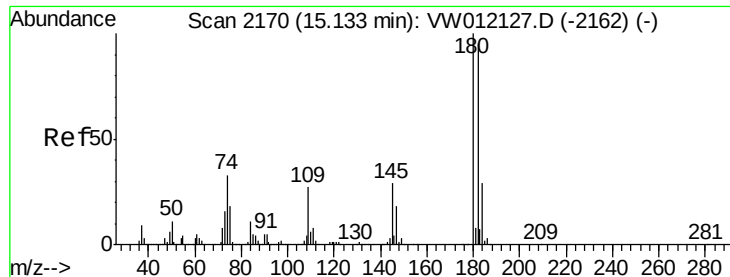
MMDadoda
 8/30/2019 11:44:29 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 23.490 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW012321.D
 Acq: 30 Aug 2019 00:14

Tgt Ion	Ratio	Lower	Upper
75	100		
155	71.1	37.5	112.3
157	93.7	50.5	151.5





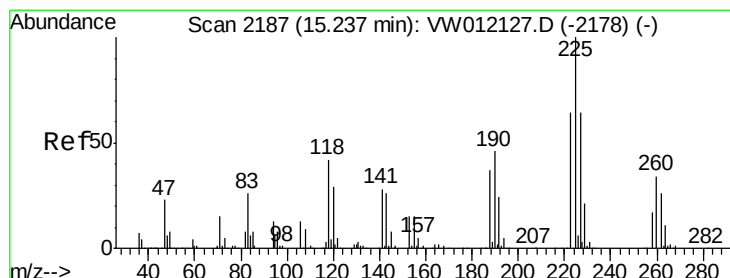
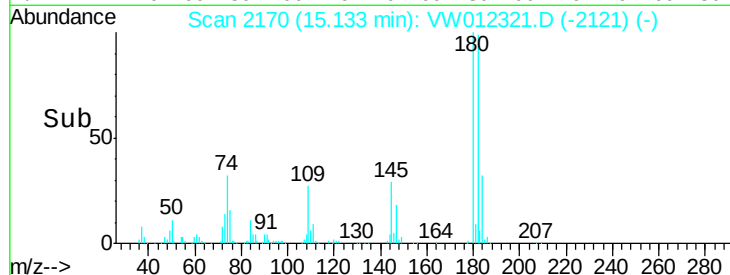
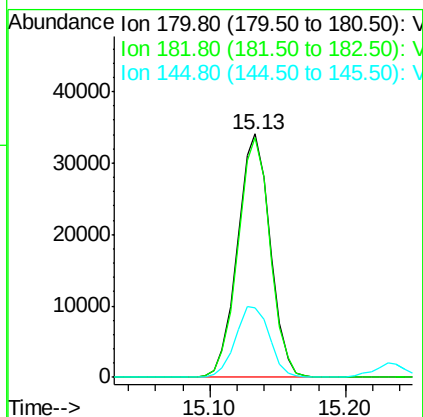
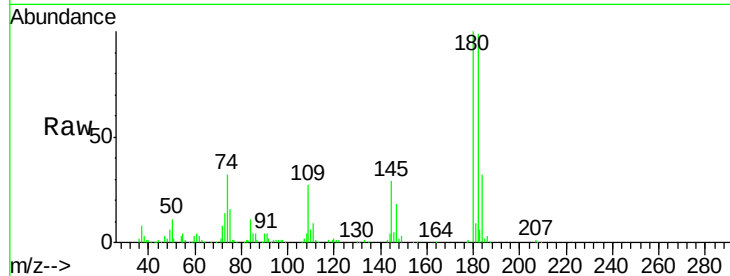
#93
 1,2,4-Trichlorobenzene
 Concen: 20.996 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW012321.D
 Acq: 30 Aug 2019 00:14

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0829SBS02

Tot Ion	Ratio	Resp	Lower	Upper
180	100	57006		
182	97.3		47.8	143.4
145	30.5		15.0	45.1

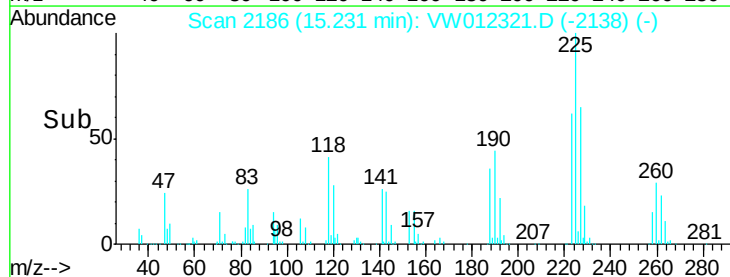
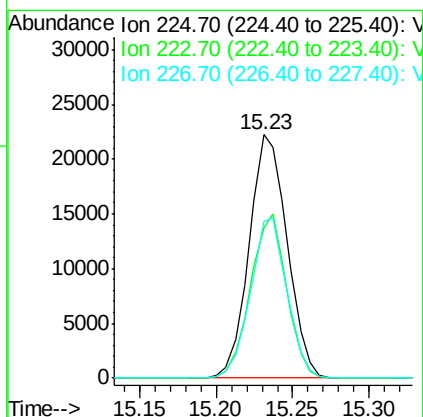
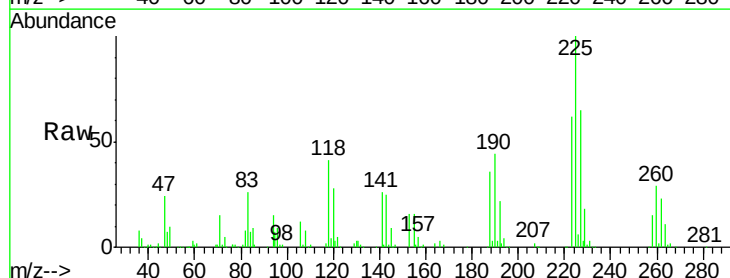
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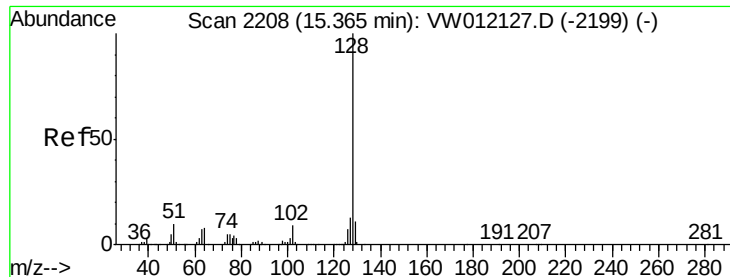
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#94
 Hexachlorobutadiene
 Concen: 21.419 ug/l
 RT: 15.23 min Scan# 2186
 Delta R.T. -0.01 min
 Lab File: VW012321.D
 Acq: 30 Aug 2019 00:14

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	38400		
223	64.0		32.3	96.8
227	63.4		32.9	98.6





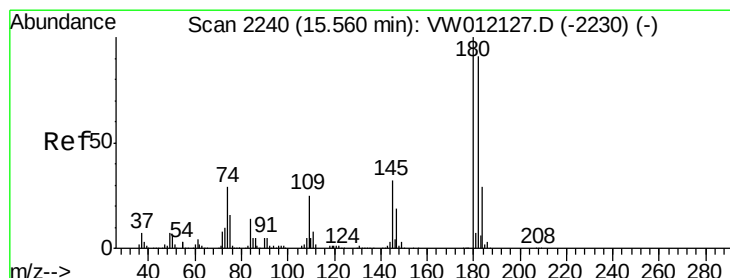
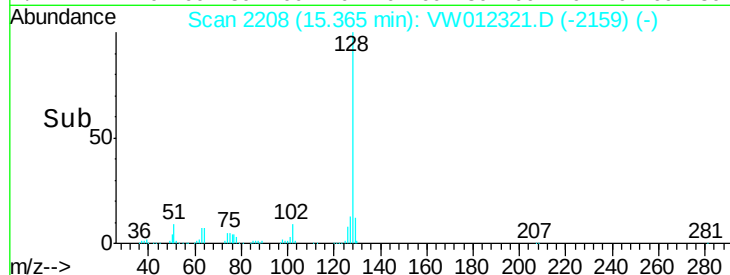
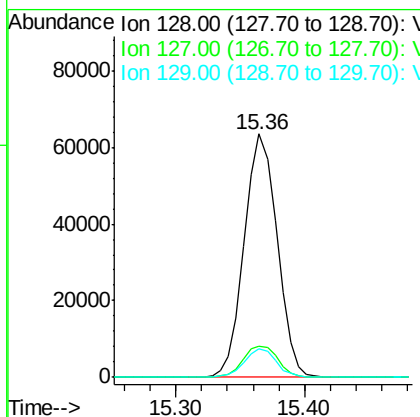
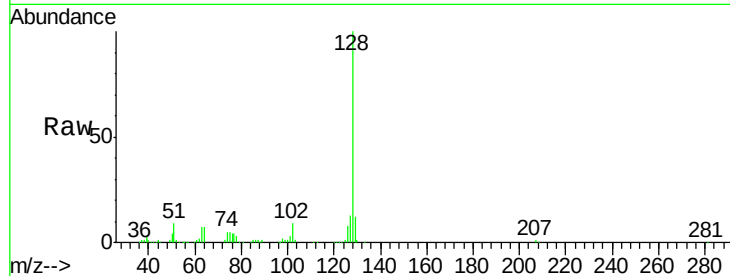
#95
Naphthalene
Concen: 23.618 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW012321.D
Acq: 30 Aug 2019 00:14

Instrument :
MSVOA_W
ClientSampleId :
VW0829SBSD02

Tot Ion	Ratio	Resp	Lower	Upper
128	100	112534		
127	13.6		10.7	16.1
129	11.3		8.7	13.1

Manual Integrations
APPROVED

MMDadoda
8/30/2019 11:44:29 AM



#96
1,2,3-Trichlorobenzene
Concen: 21.761 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.01 min
Lab File: VW012321.D
Acq: 30 Aug 2019 00:14

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	51549		
182	97.7		47.1	141.3
145	32.7		16.2	48.5

