

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092319\
 Data File : VW013223.D
 Acq On : 23 Sep 2019 11:44
 Operator : SY/VA
 Sample : VW0923SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0923SBS01

Manual Integrations
 APPROVED

MMDadoda
 9/25/2019 12:35:38 AM

Quant Time: Sep 24 06:55:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 20 15:58:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	376564	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	544467	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	471219	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	241246	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	153433	49.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.84%	
35) Dibromofluoromethane	7.88	113	151618	50.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.26%	
50) Toluene-d8	10.32	98	634734	50.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.30%	
62) 4-Bromofluorobenzene	12.62	95	216455	50.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.12%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	48322	22.246	ug/l	90
3) Chloromethane	2.21	50	57509	20.596	ug/l	100
4) Vinyl Chloride	2.36	62	74736	20.761	ug/l	99
5) Bromomethane	2.76	94	45295	19.855	ug/l	92
6) Chloroethane	2.90	64	41401	19.512	ug/l	98
7) Trichlorofluoromethane	3.24	101	37883	18.251	ug/l	94
8) Diethyl Ether	3.67	74	36222	20.430	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	69897	20.683	ug/l	98
10) Methyl Iodide	4.26	142	101848	19.439	ug/l	99
11) Tert butyl alcohol	5.20	59	20104	84.166	ug/l #	90
12) 1,1-Dichloroethene	4.03	96	70991	20.286	ug/l	95
13) Acrolein	3.89	56	18441	104.236	ug/l	97
14) Allyl chloride	4.65	41	113311	20.345	ug/l	99
15) Acrylonitrile	5.36	53	78045	101.985	ug/l	99
16) Acetone	4.12	43	65703	94.800	ug/l	99
17) Carbon Disulfide	4.37	76	203344	20.104	ug/l	99
18) Methyl Acetate	4.67	43	39359	20.203	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	109915	20.494	ug/l	98
20) Methylene Chloride	4.91	84	78862	20.537	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	78284	20.697	ug/l	96
22) Diisopropyl ether	6.31	45	215379	20.336	ug/l	99
23) Vinyl Acetate	6.25	43	648731	103.252	ug/l	100
24) 1,1-Dichloroethane	6.21	63	131771	20.619	ug/l	98
25) 2-Butanone	7.17	43	101107	97.180	ug/l	98
26) 2,2-Dichloropropane	7.16	77	83884	19.934	ug/l	99
27) cis-1,2-Dichloroethene	7.16	96	82535	20.677	ug/l	99
28) Bromochloromethane	7.51	49	44338	18.077	ug/l	98
29) Tetrahydrofuran	7.53	42	65740	103.033	ug/l	98
30) Chloroform	7.67	83	127361	20.355	ug/l	96
31) Cyclohexane	7.95	56	137336	20.616	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	103440	20.412	ug/l	99
36) 1,1-Dichloropropene	8.08	75	109953	20.850	ug/l	98
37) Ethyl Acetate	7.25	43	45182	20.159	ug/l	98
38) Carbon Tetrachloride	8.06	117	96693	20.454	ug/l	98

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	141506	20.880	ug/l	97
40) Benzene	8.32	78	305760	20.787	ug/l	99
41) Methacrylonitrile	7.48	41	27236	20.361	ug/l	98
42) 1,2-Dichloroethane	8.40	62	80169	20.274	ug/l	98
43) Isopropyl Acetate	8.42	43	86837	20.215	ug/l	99
44) Trichloroethene	9.09	130	85408	20.695	ug/l	99
45) 1,2-Dichloropropane	9.37	63	73289	20.408	ug/l	99
46) Dibromomethane	9.46	93	35608	20.423	ug/l	99
47) Bromodichloromethane	9.64	83	88252	19.892	ug/l	96
48) Methyl methacrylate	9.43	41	43148	21.362	ug/l	94
49) 1,4-Dioxane	9.46	88	9824	375.372	ug/l #	99
51) 4-Methyl-2-Pentanone	10.21	43	218152	101.303	ug/l	100
52) Toluene	10.38	92	197247	20.923	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	94103	20.646	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	115204	20.788	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	53504	20.531	ug/l	98
56) Ethyl methacrylate	10.65	69	69926	20.503	ug/l	99
57) 1,3-Dichloropropane	10.93	76	92473	20.334	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	167817	106.287	ug/l	100
59) 2-Hexanone	10.97	43	149675	101.024	ug/l	99
60) Dibromochloromethane	11.13	129	60848	20.563	ug/l	97
61) 1,2-Dibromoethane	11.23	107	51264	20.690	ug/l	99
64) Tetrachloroethene	10.86	164	73472	20.550	ug/l	96
65) Chlorobenzene	11.66	112	198753	20.198	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	69005	20.527	ug/l	99
67) Ethyl Benzene	11.73	91	368069	20.644	ug/l	100
68) m/p-Xylenes	11.84	106	286060	42.105	ug/l	100
69) o-Xylene	12.16	106	131862	20.876	ug/l	97
70) Styrene	12.18	104	222620	20.529	ug/l	100
71) Bromoform	12.35	173	35136	19.784	ug/l #	97
73) Isopropylbenzene	12.46	105	364148	20.434	ug/l	99
74) N-amyl acetate	12.27	43	78819	19.932	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	59870	20.088	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	39305m	18.449	ug/l	
77) Bromobenzene	12.75	156	84984	20.124	ug/l	98
78) n-propylbenzene	12.80	91	437068	20.952	ug/l	100
79) 2-Chlorotoluene	12.89	91	240197	20.553	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	309143	20.636	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	19601	20.644	ug/l	97
82) 4-Chlorotoluene	12.99	91	252493	20.488	ug/l	100
83) tert-Butylbenzene	13.21	119	271433	20.644	ug/l	100
84) 1,2,4-Trimethylbenzene	13.25	105	307528	20.630	ug/l	99
85) sec-Butylbenzene	13.38	105	377955	20.850	ug/l	99
86) p-Isopropyltoluene	13.50	119	350185	20.828	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	168835	20.773	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	167660	21.033	ug/l	99
89) n-Butylbenzene	13.82	91	320195	20.856	ug/l	100
90) Hexachloroethane	14.09	117	58764	20.805	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	146820	20.881	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	8949	19.631	ug/l	98

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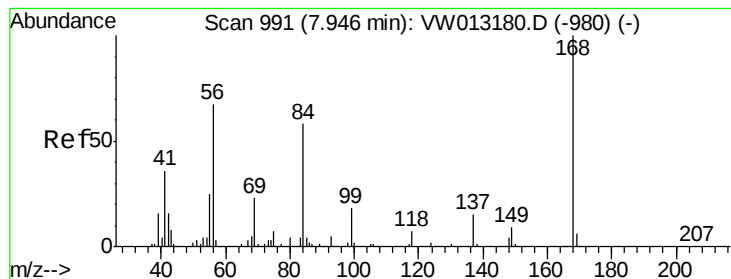
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	105545	20.947	ug/l	99
94) Hexachlorobutadiene	15.24	225	71859	20.846	ug/l	98
95) Naphthalene	15.36	128	166058	20.151	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	88413	20.308	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW013223.D

Acq: 23 Sep 2019 11:44

Instrument :

MSVOA_W

ClientSampleId :

VW0923SBS01

Tot Ion:168 Resp: 376564

Ion Ratio Lower Upper

168 100

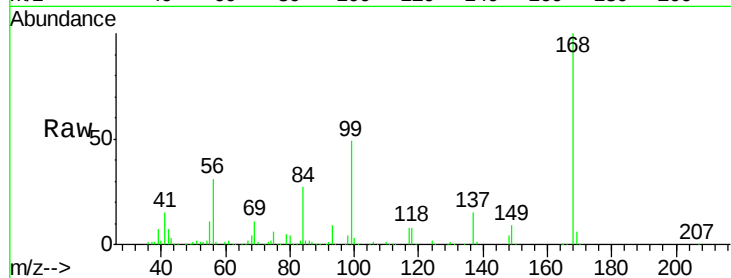
99 49.2 40.2 60.4

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

150000

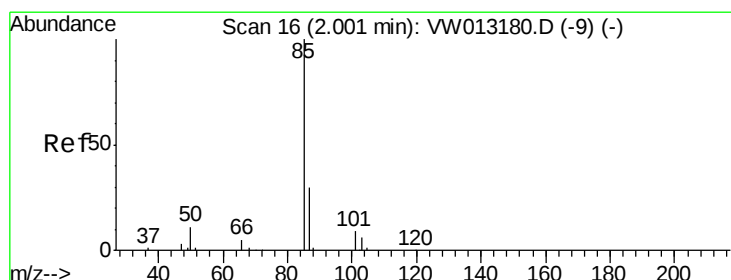
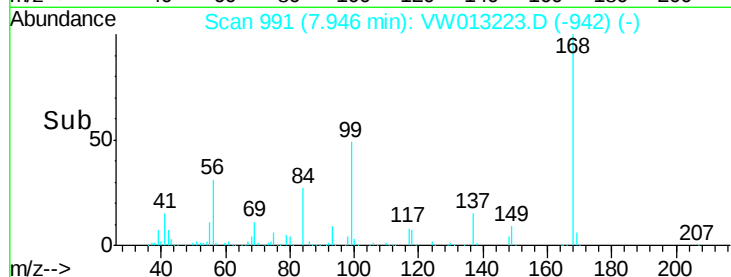
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50000

0

7.90 8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 22.246 ug/l

RT: 2.00 min Scan# 16

Delta R.T. -0.00 min

Lab File: VW013223.D

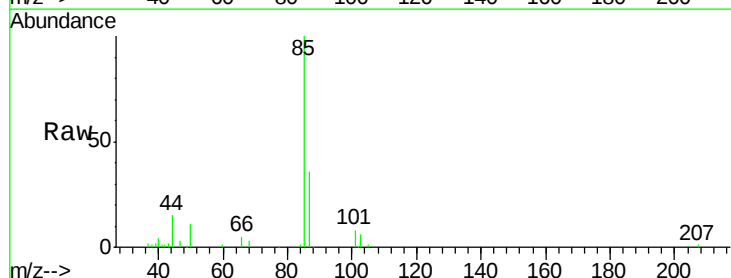
Acq: 23 Sep 2019 11:44

Tgt Ion: 85 Resp: 48322

Ion Ratio Lower Upper

85 100

87 35.6 15.1 45.3



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

15000

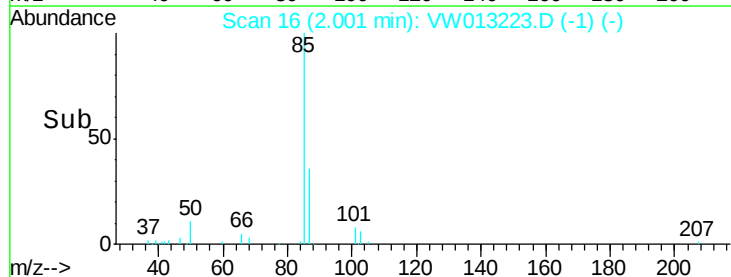
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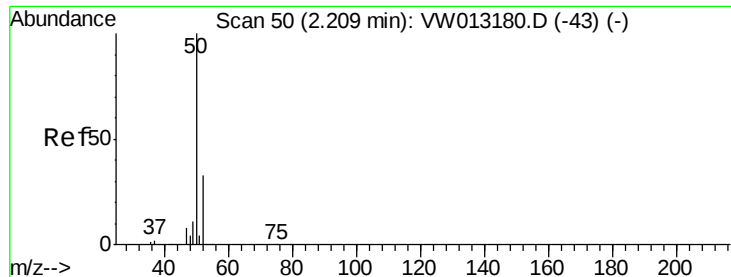
5000

0

1.90 2.00 2.10 2.20

Time-->





#3

Chloromethane

Concen: 20.596 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.00 min

Lab File: VW013223.D

Acq: 23 Sep 2019 11:44

Instrument :

MSVOA_W

ClientSampleId :

VW0923SBS01

Tot Ion: 50 Resp: 57509

Ion Ratio Lower Upper

50 100

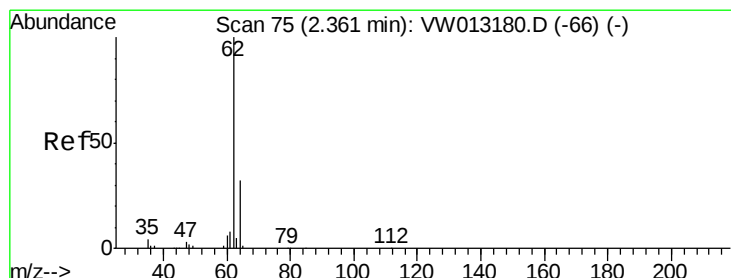
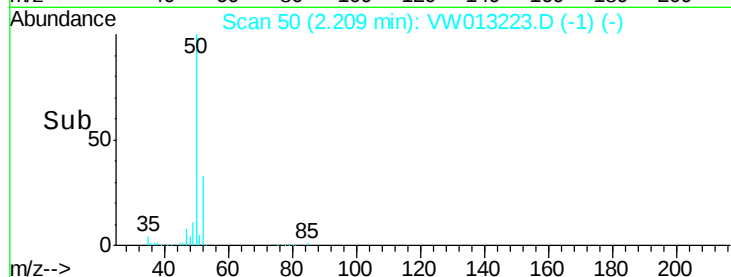
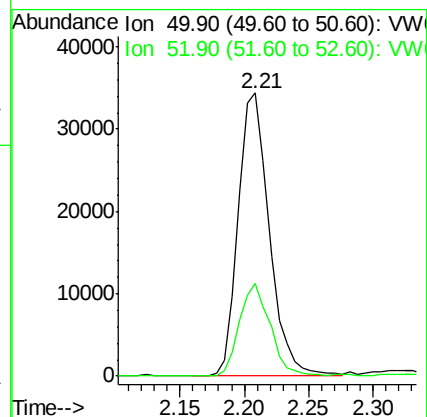
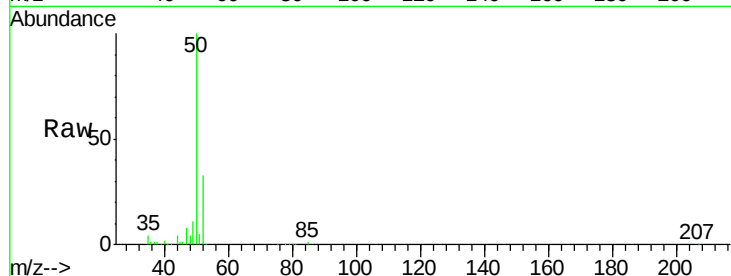
52 32.7 26.1 39.1

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#4

Vinyl Chloride

Concen: 20.761 ug/l

RT: 2.36 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW013223.D

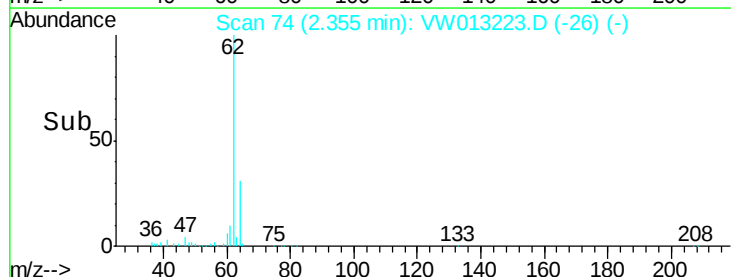
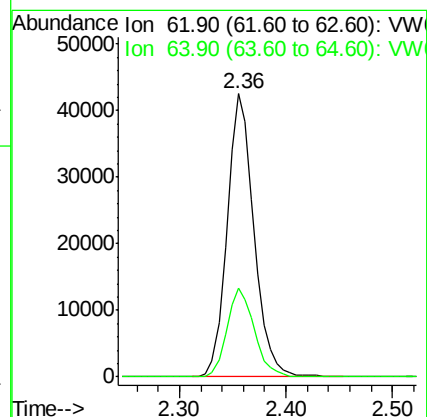
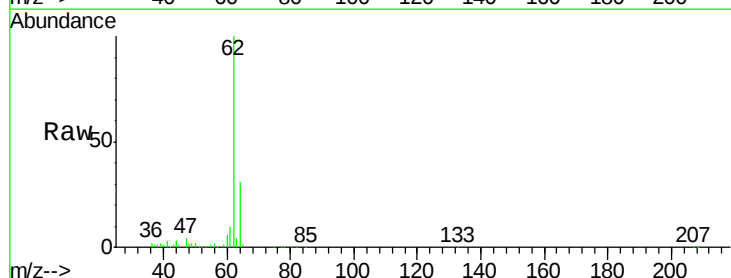
Acq: 23 Sep 2019 11:44

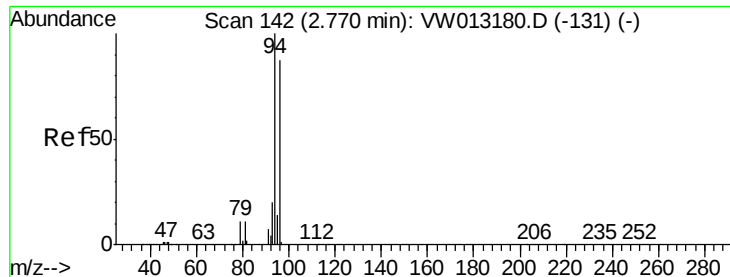
Tgt Ion: 62 Resp: 74736

Ion Ratio Lower Upper

62 100

64 31.2 25.3 37.9





#5

Bromomethane

Concen: 19.855 ug/l

RT: 2.76 min Scan# 141

Delta R.T. -0.01 min

Lab File: VW013223.D

Acq: 23 Sep 2019 11:44

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 45295

Ion Ratio Lower Upper

94 100

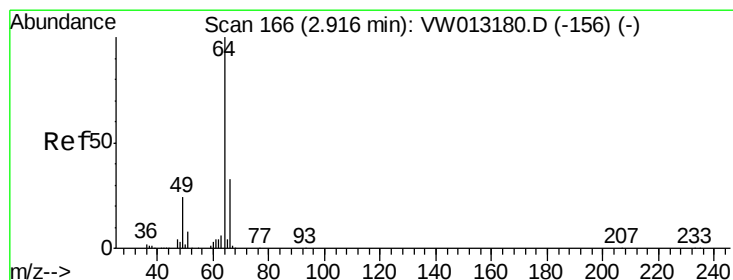
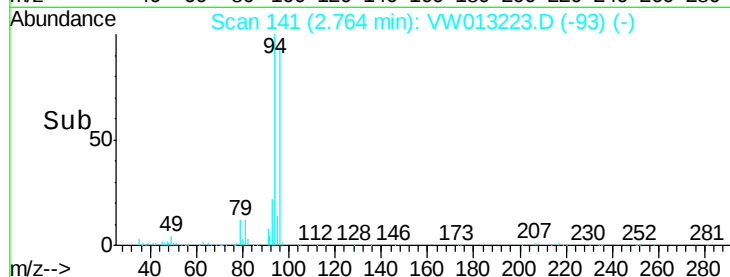
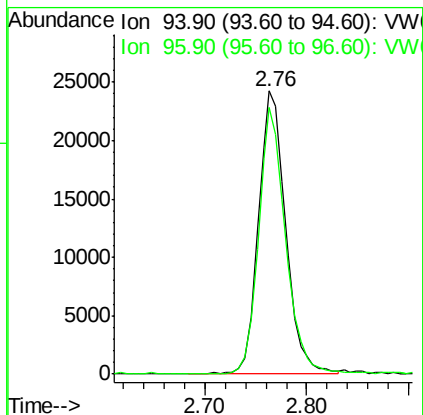
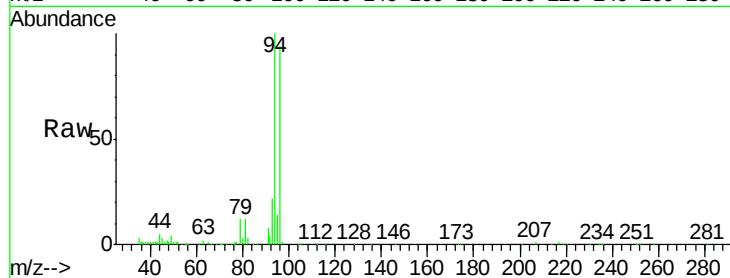
96 94.4 69.7 104.5

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#6

Chloroethane

Concen: 19.512 ug/l

RT: 2.90 min Scan# 164

Delta R.T. -0.01 min

Lab File: VW013223.D

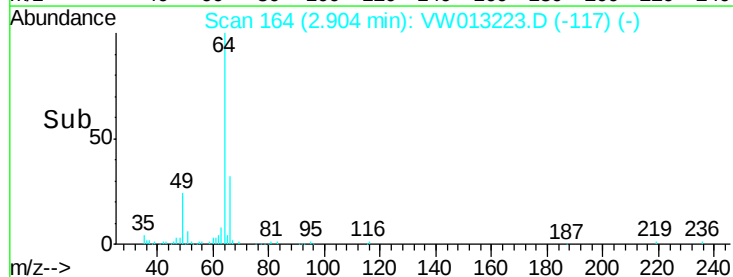
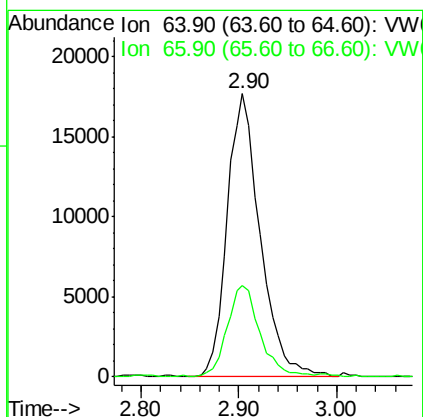
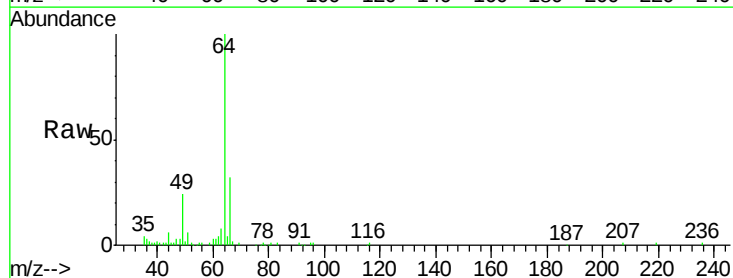
Acq: 23 Sep 2019 11:44

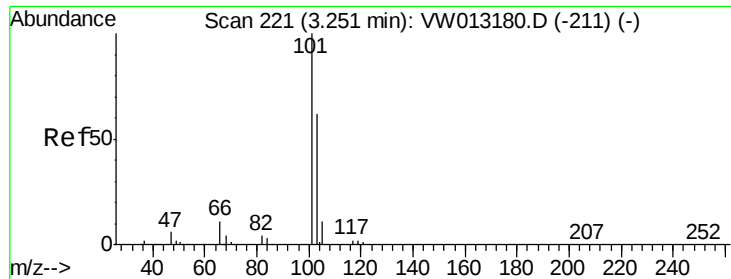
Tgt Ion: 64 Resp: 41401

Ion Ratio Lower Upper

64 100

66 32.2 26.6 39.8





#7

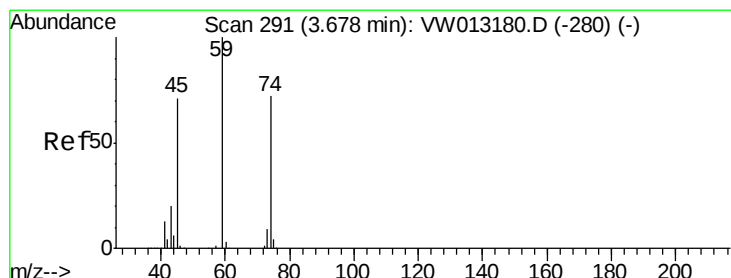
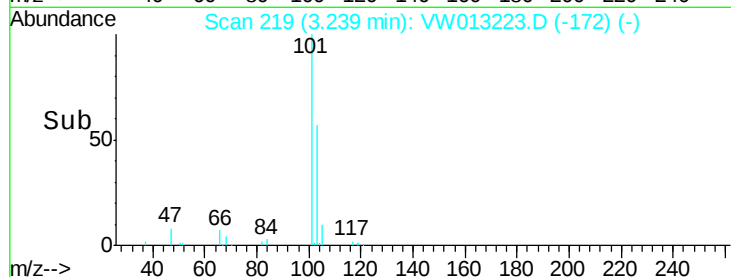
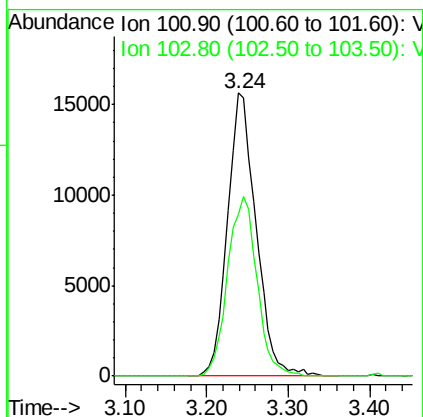
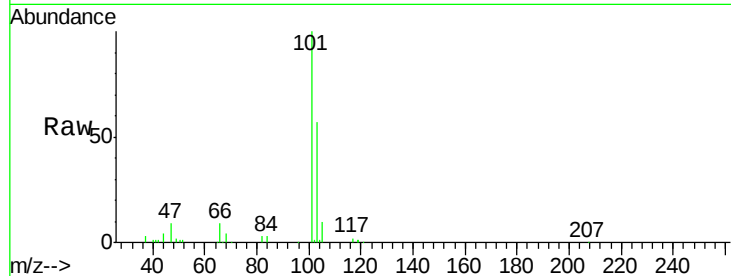
Trichlorofluoromethane
Concen: 18.251 ug/l
RT: 3.24 min Scan# 219
Delta R.T. -0.01 min
Lab File: VW013223.D
Acq: 23 Sep 2019 11:44

Instrument :
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ClientSampleId :
VW0923SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	57.2	49.7	74.5

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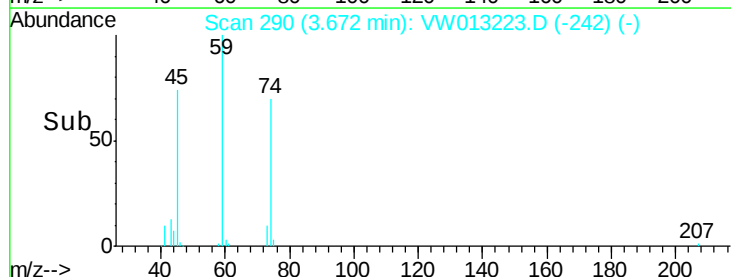
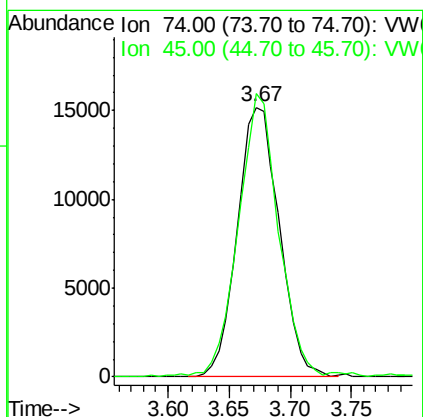
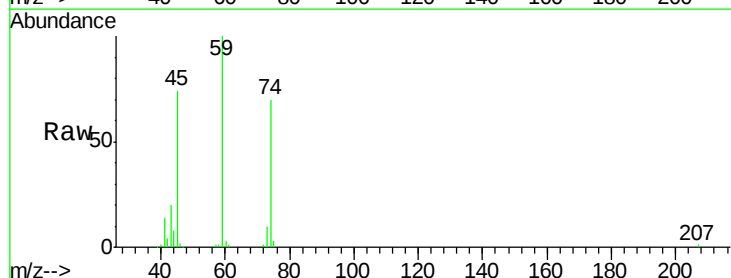
MMDadoda
9/25/2019 12:35:38 AM

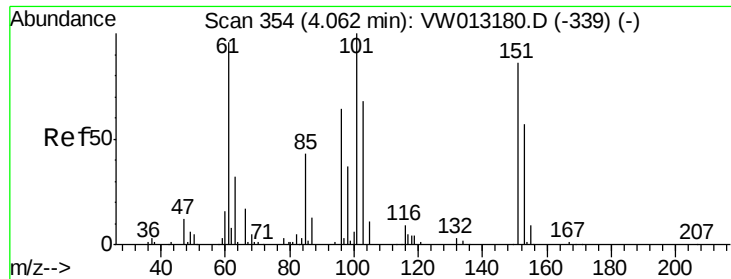


#8

Diethyl Ether
Concen: 20.430 ug/l
RT: 3.67 min Scan# 290
Delta R.T. -0.01 min
Lab File: VW013223.D
Acq: 23 Sep 2019 11:44

Tgt Ion	Ratio	Lower	Upper
74	100		
45	101.4	49.5	148.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.683 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW013223.D

Acq: 23 Sep 2019 11:44

Instrument :

MSVOA_W

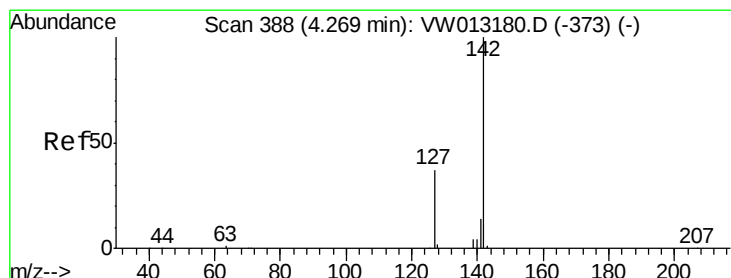
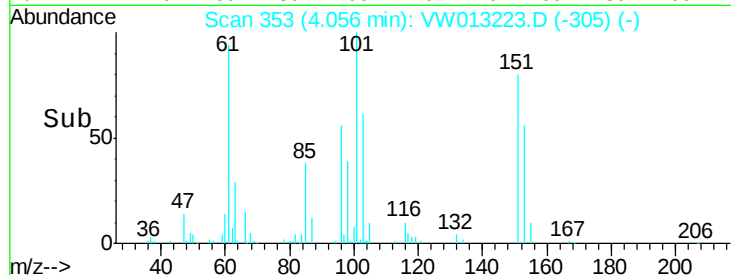
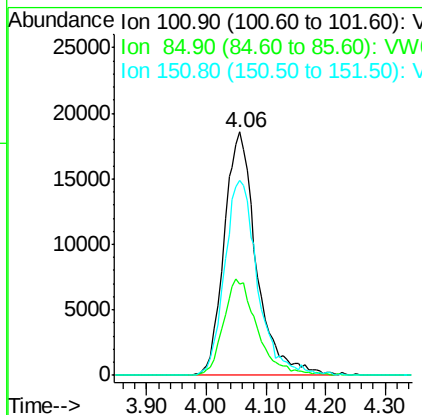
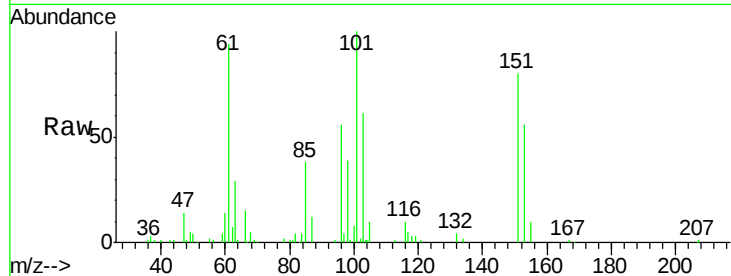
ClientSampleId :

VW0923SBS01

Tot Ion:	101	Resp:	69897
Ion Ratio	Lower	Upper	
101	100		
85	41.5	33.4	50.0
151	80.7	66.9	100.3

Manual Integrations
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#10

Methyl Iodide

Concen: 19.439 ug/l

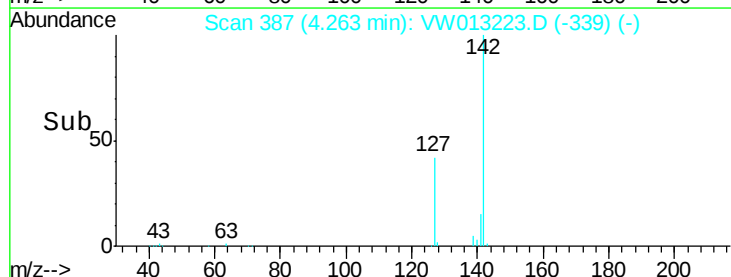
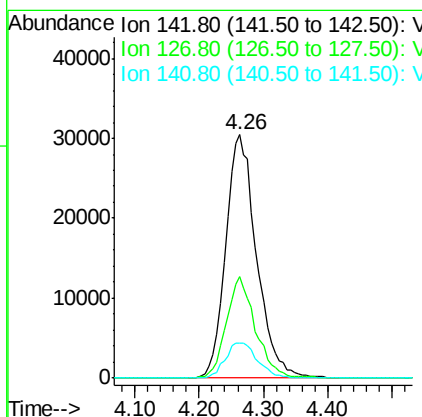
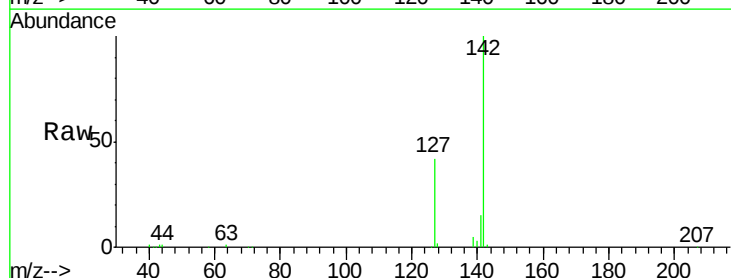
RT: 4.26 min Scan# 387

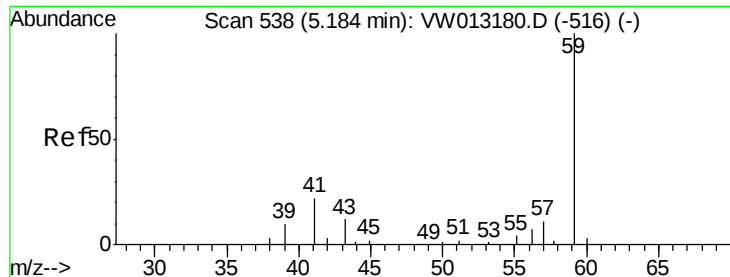
Delta R.T. -0.01 min

Lab File: VW013223.D

Acq: 23 Sep 2019 11:44

Tgt Ion:	142	Resp:	101848
Ion Ratio	Lower	Upper	
142	100		
127	39.6	30.9	46.3
141	15.1	11.7	17.5





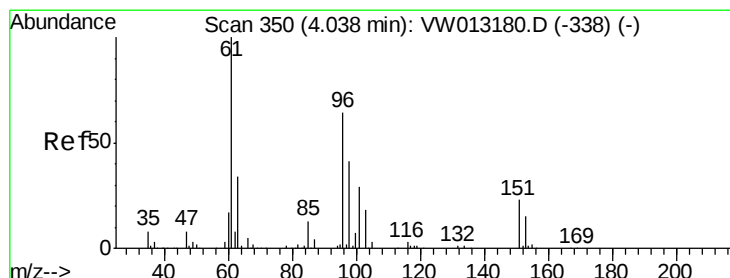
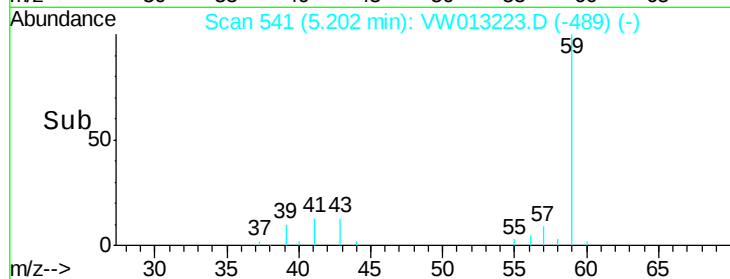
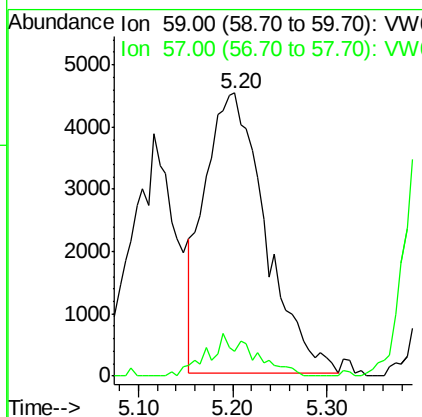
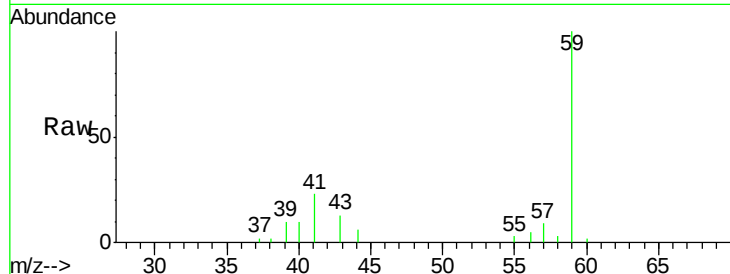
#11
Tert butyl alcohol
Concen: 84.166 ug/l
RT: 5.20 min Scan# 541
Delta R.T. 0.02 min
Lab File: VW013223.D
Acq: 23 Sep 2019 11:44

Instrument :
MSVOA_W
ClientSampleID :
VW0923SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	6.3	8.2	12.2#

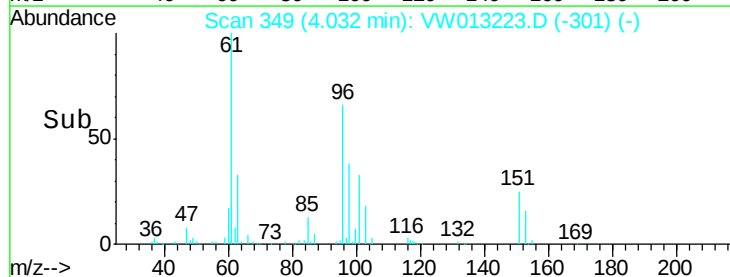
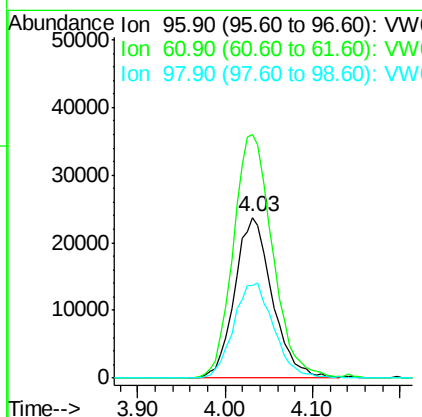
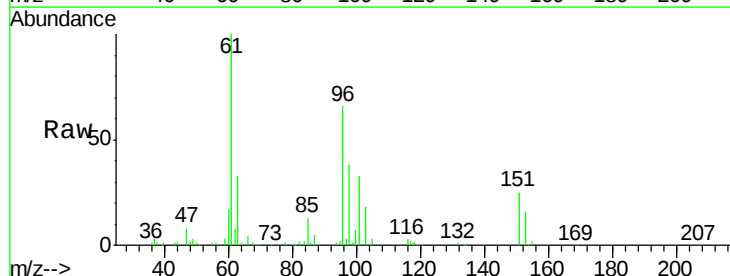
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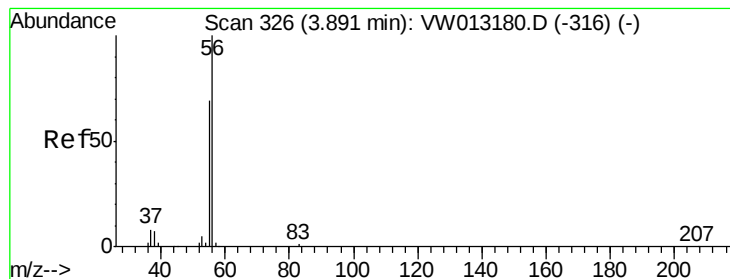
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#12
1,1-Dichloroethene
Concen: 20.286 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.01 min
Lab File: VW013223.D
Acq: 23 Sep 2019 11:44

Tgt Ion	Ratio	Lower	Upper
96	100		
61	151.7	125.1	187.7
98	57.6	50.8	76.2





#13

Acrolein

Concen: 104.236 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.00 min

Lab File: VW013223.D

Acq: 23 Sep 2019 11:44

Instrument :

MSVOA_W

ClientSampleId :

VW0923SBS01

Tot Ion: 56 Resp: 18441

Ion Ratio Lower Upper

56 100

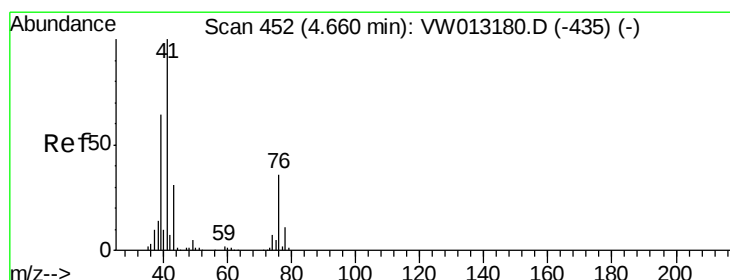
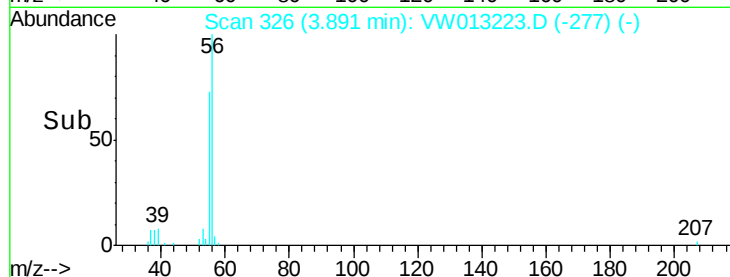
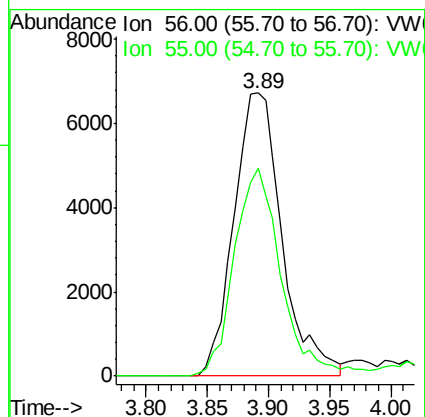
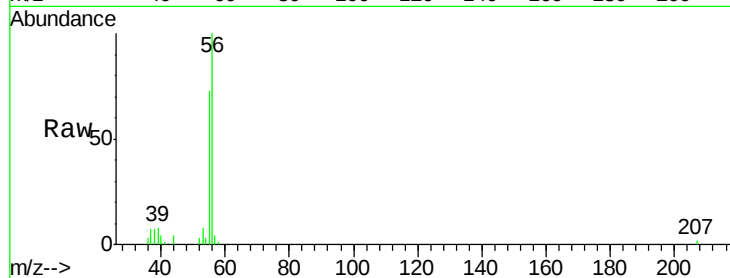
55 71.5 55.4 83.0

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#14

Allyl chloride

Concen: 20.345 ug/l

RT: 4.65 min Scan# 451

Delta R.T. -0.01 min

Lab File: VW013223.D

Acq: 23 Sep 2019 11:44

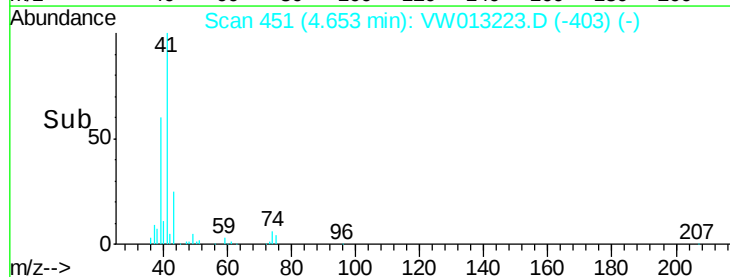
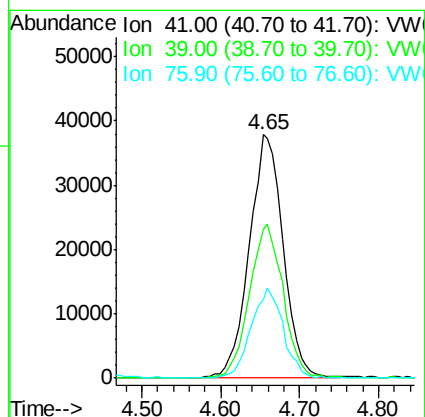
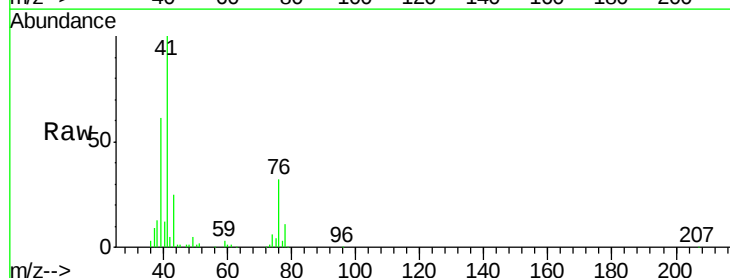
Tgt Ion: 41 Resp: 113311

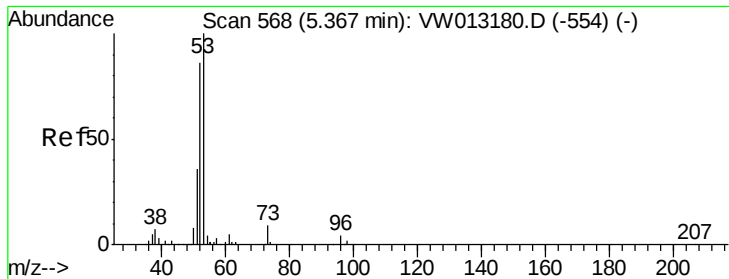
Ion Ratio Lower Upper

41 100

39 62.7 51.0 76.4

76 34.9 28.4 42.6





#15

Acrylonitrile

Concen: 101.985 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.01 min

Lab File: VW013223.D

Acq: 23 Sep 2019 11:44

Instrument :

MSVOA_W

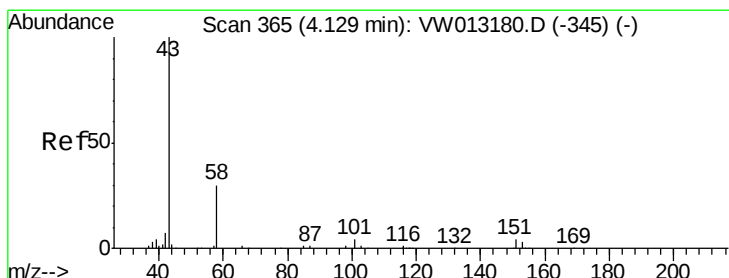
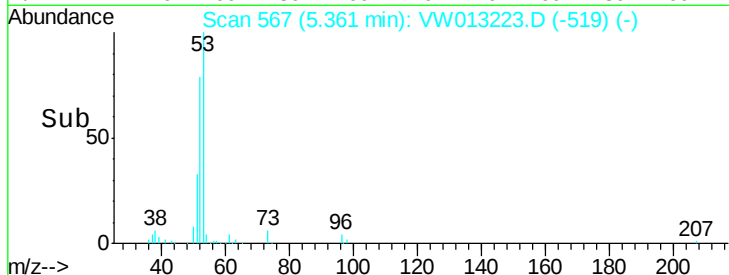
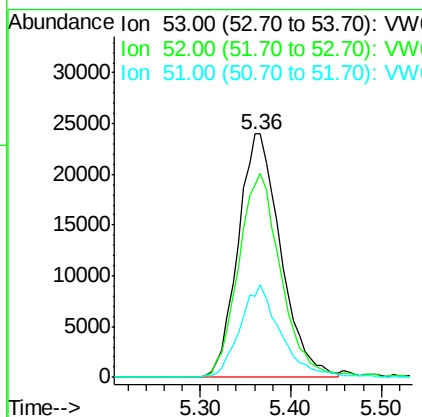
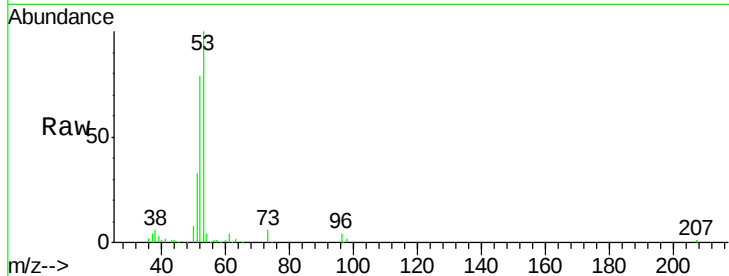
ClientSampleId :

VW0923SBS01

Tot Ion:	53	Resp:	78045
Ion Ratio	Lower	Upper	
53	100		
52	83.0	65.3	97.9
51	36.0	29.0	43.4

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#16

Acetone

Concen: 94.800 ug/l

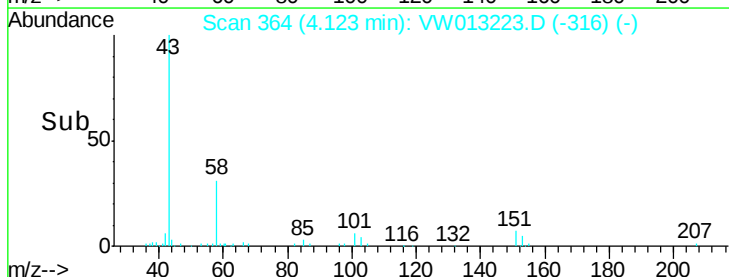
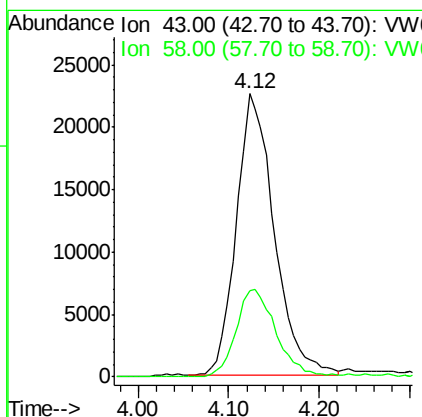
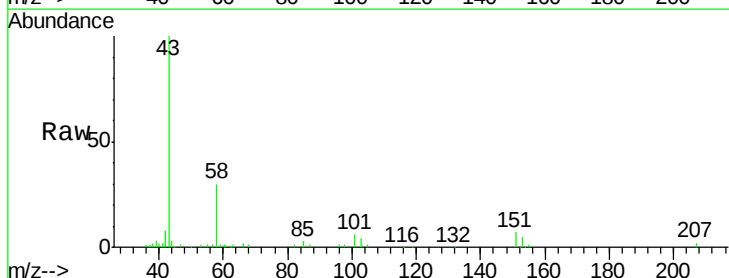
RT: 4.12 min Scan# 364

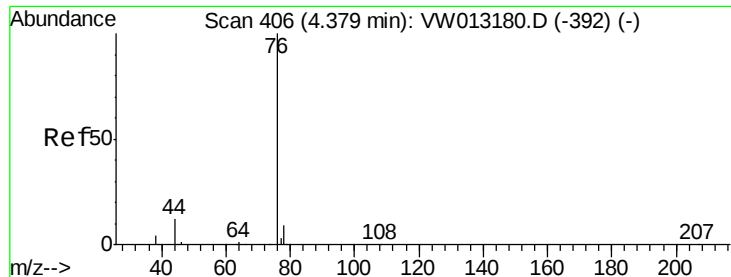
Delta R.T. -0.01 min

Lab File: VW013223.D

Acq: 23 Sep 2019 11:44

Tgt Ion:	43	Resp:	65703
Ion Ratio	Lower	Upper	
43	100		
58	30.5	24.1	36.1





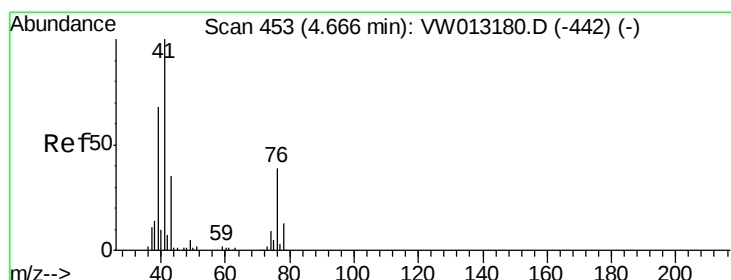
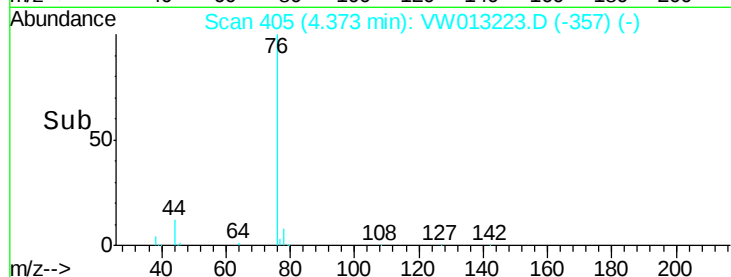
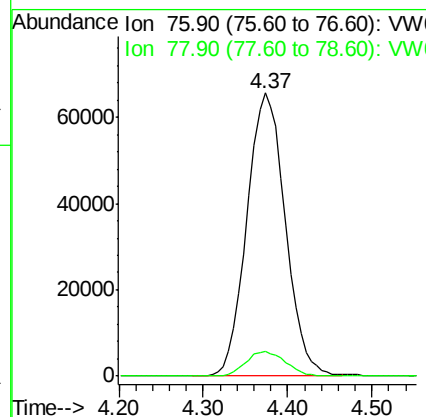
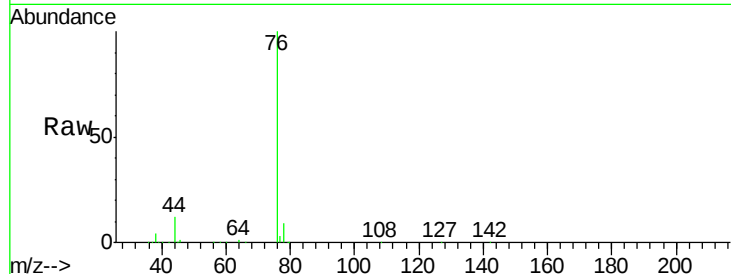
#17
Carbon Disulfide
Concen: 20.104 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.01 min
Lab File: VW013223.D
Acq: 23 Sep 2019 11:44

Instrument :
MSVOA_W
ClientSampleId :
VW0923SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.0	10.4

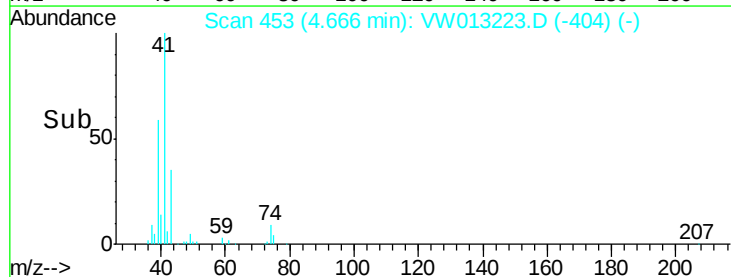
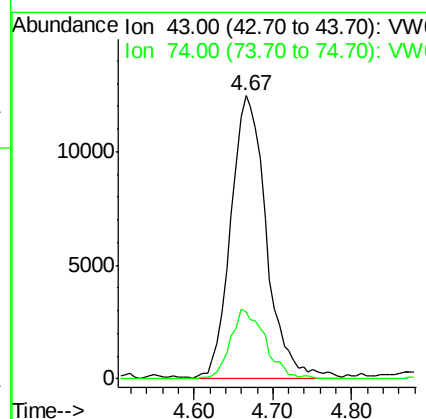
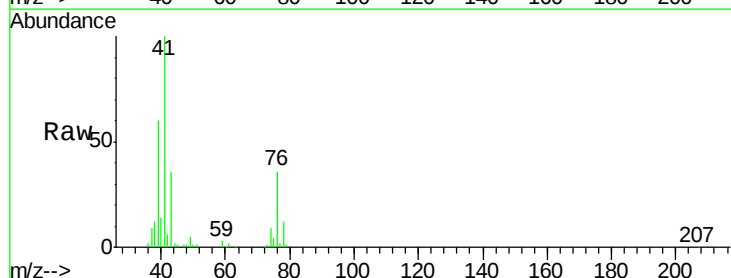
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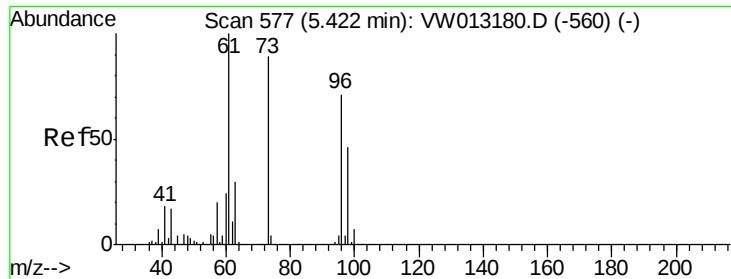
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#18
Methyl Acetate
Concen: 20.203 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW013223.D
Acq: 23 Sep 2019 11:44

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.9	19.3	28.9





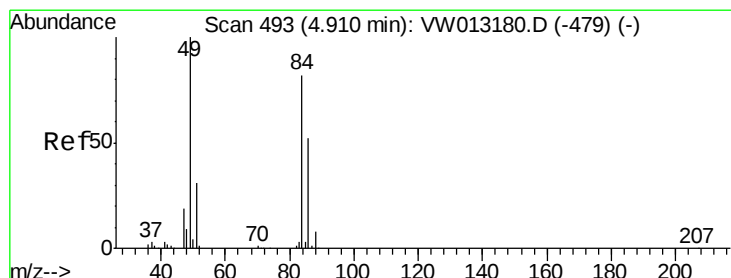
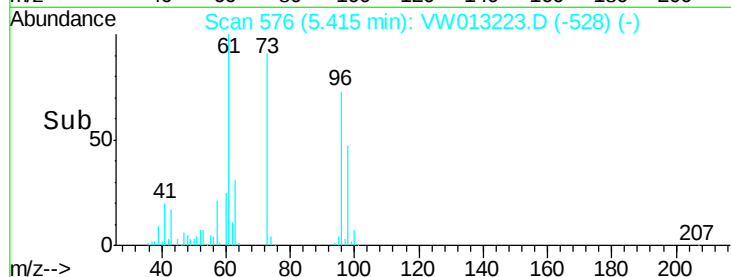
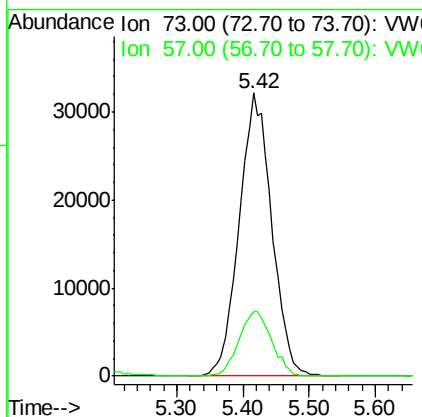
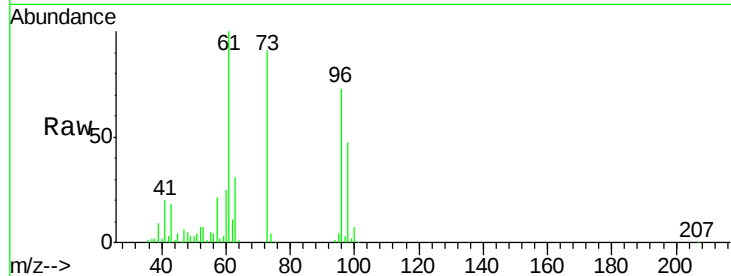
#19
Methvl tert-butvl Ether
Concen: 20.494 ug/l
RT: 5.42 min Scan# 576
Delta R.T. -0.01 min
Lab File: VW013223.D
Acq: 23 Sep 2019 11:44

Instrument :
MSVOA_W
ClientSampleId :
VW0923SBS01

Tot Ion: 73 Resp: 109915
Ion Ratio Lower Upper
73 100
57 22.9 17.6 26.4

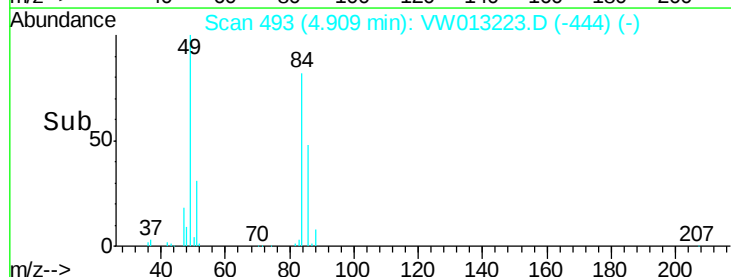
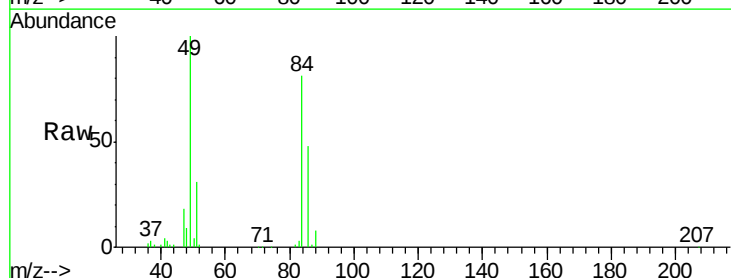
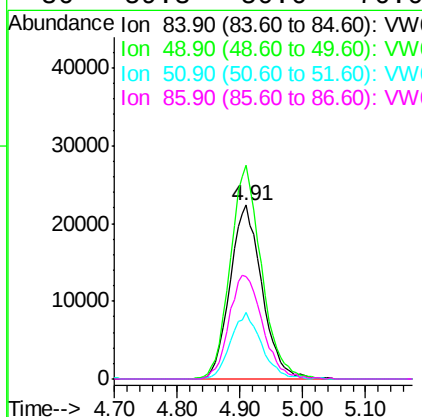
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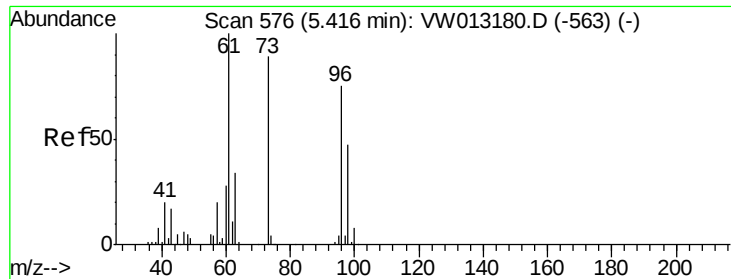
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#20
Methylene Chloride
Concen: 20.537 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW013223.D
Acq: 23 Sep 2019 11:44

Tgt Ion: 84 Resp: 78862
Ion Ratio Lower Upper
84 100
49 123.0 97.6 146.4
51 38.2 30.2 45.2
86 59.3 50.6 76.0





#21

trans-1,2-Dichloroethene

Concen: 20.697 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.00 min

Lab File: VW013223.D

Acq: 23 Sep 2019 11:44

Instrument :

MSVOA_W

ClientSampleId :

VW0923SBS01

Tot Ion: 96 Resp: 78284

Ion Ratio Lower Upper

96 100

61 137.8 106.6 159.8

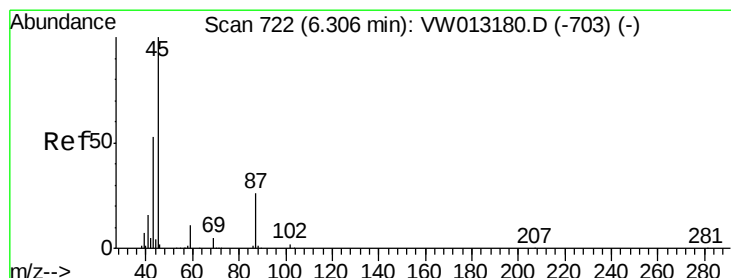
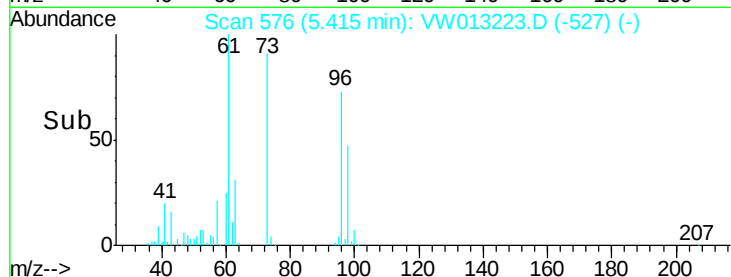
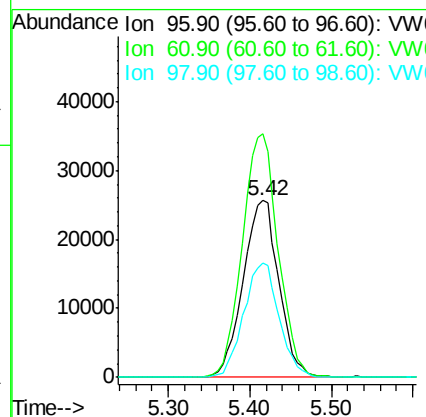
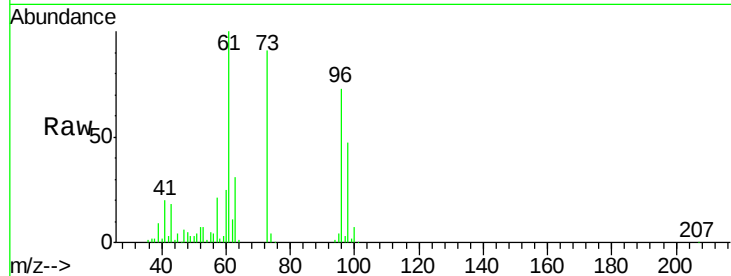
98 64.4 49.8 74.8

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#22

Diisopropyl ether

Concen: 20.336 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.00 min

Lab File: VW013223.D

Acq: 23 Sep 2019 11:44

Tgt Ion: 45 Resp: 215379

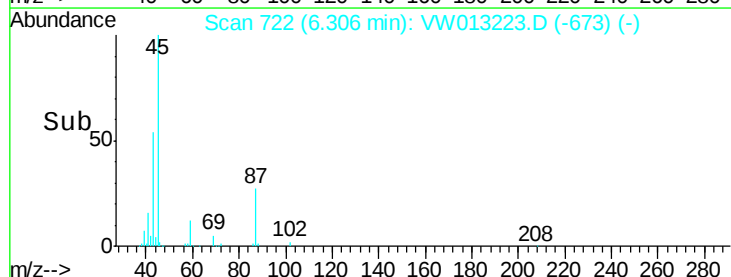
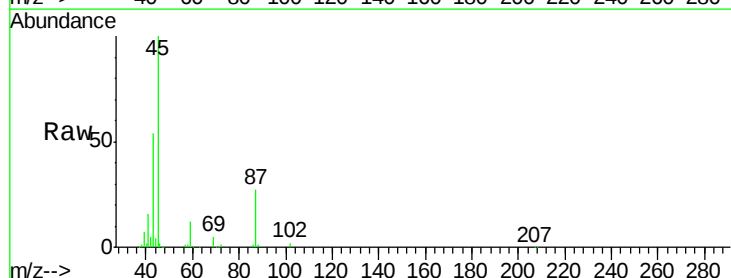
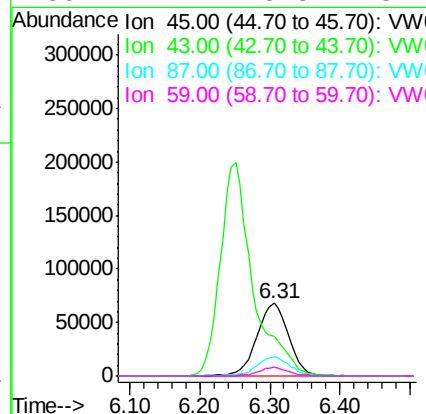
Ion Ratio Lower Upper

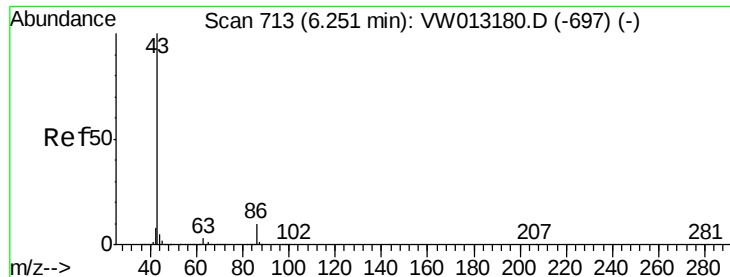
45 100

43 53.3 42.4 63.6

87 26.9 20.4 30.6

59 12.1 8.8 13.2





#23

Vinyl Acetate

Concen: 103.252 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW013223.D

Acq: 23 Sep 2019 11:44

Tot Ion: 43 Resp: 648731

Ion Ratio Lower Upper

43 100

86 10.6 8.3 12.5

Instrument :

MSVOA_W

ClientSampleId :

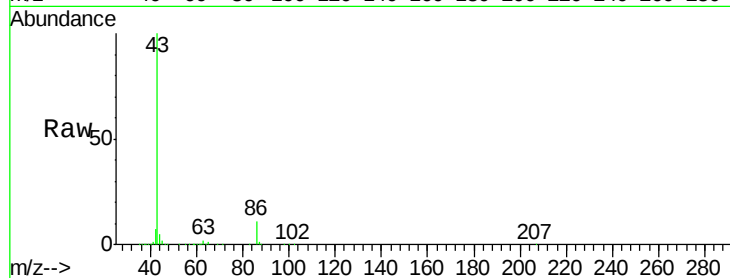
VW0923SBS01

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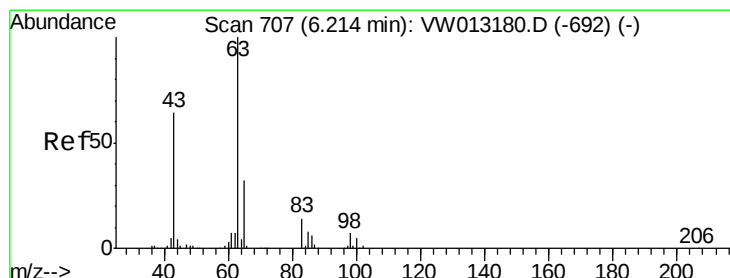
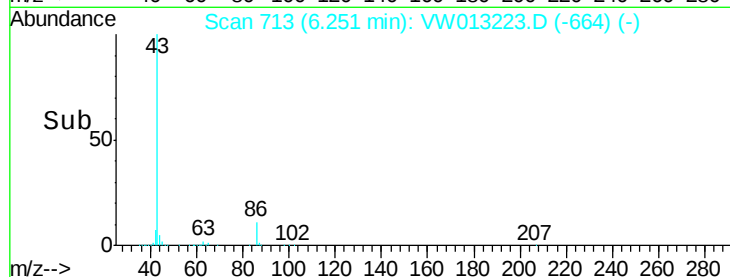
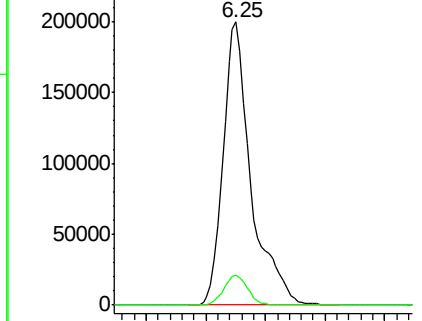
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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 20.619 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW013223.D

Acq: 23 Sep 2019 11:44

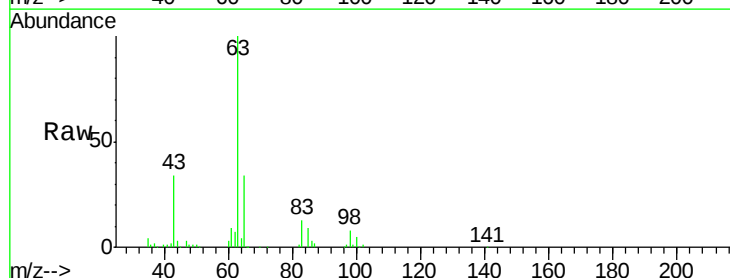
Tgt Ion: 63 Resp: 131771

Ion Ratio Lower Upper

63 100

98 8.2 3.5 10.5

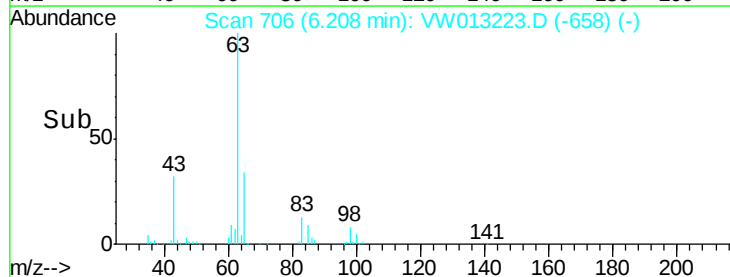
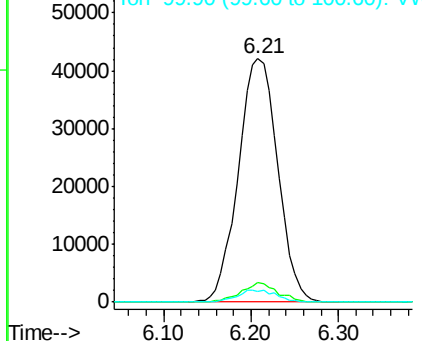
100 4.6 2.4 7.1

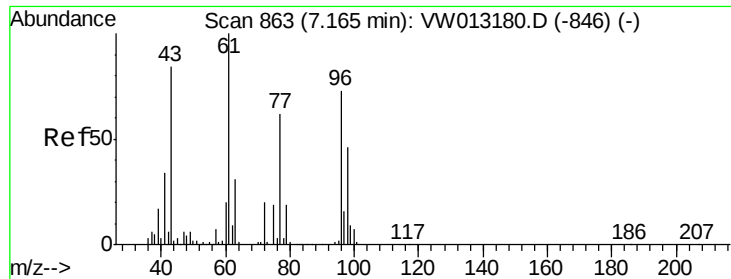


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 97.180 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW013223.D

Acq: 23 Sep 2019 11:44

Instrument :

MSVOA_W

ClientSampleId :

VW0923SBS01

Tot Ion: 43 Resp: 101107

Ion Ratio Lower Upper

43 100

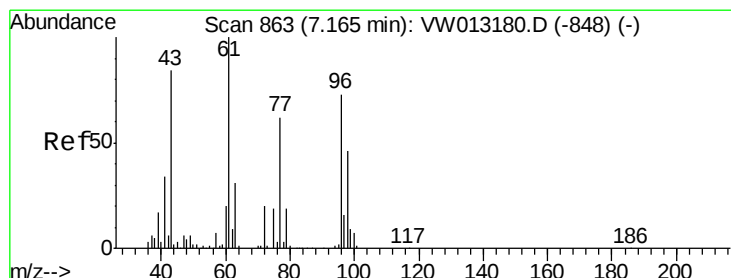
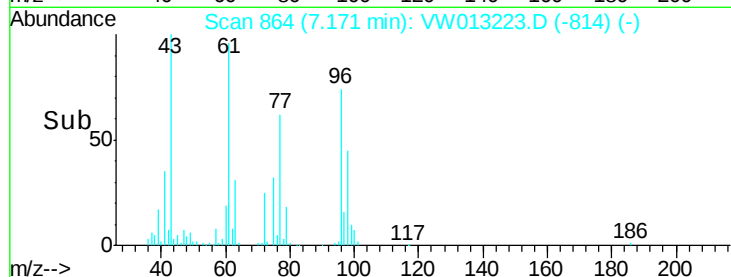
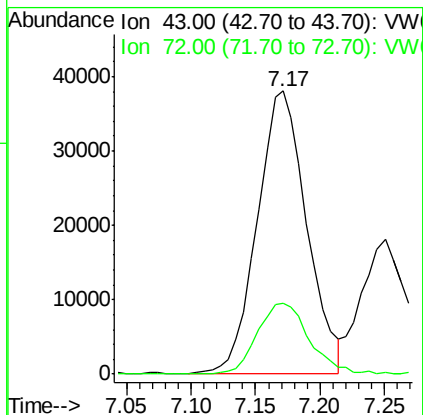
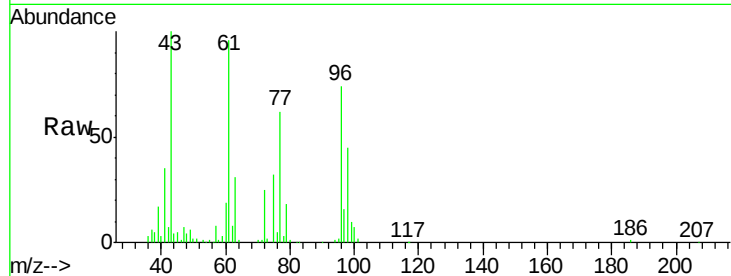
72 25.3 19.4 29.0

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#26

2,2-Dichloropropane

Concen: 19.934 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW013223.D

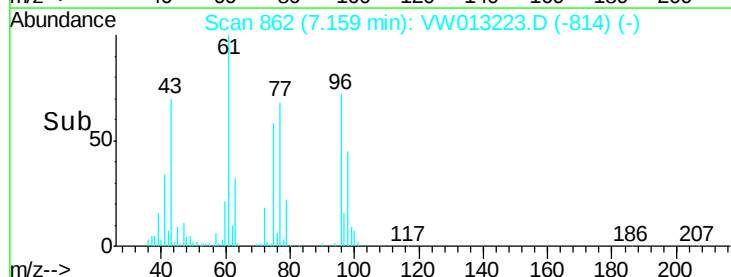
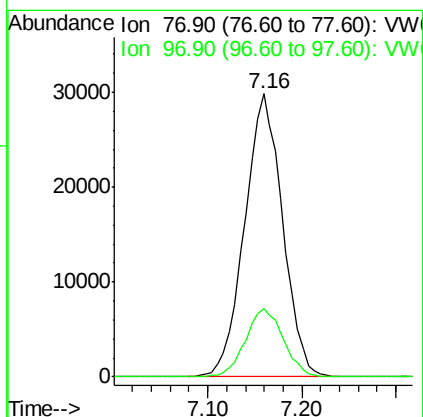
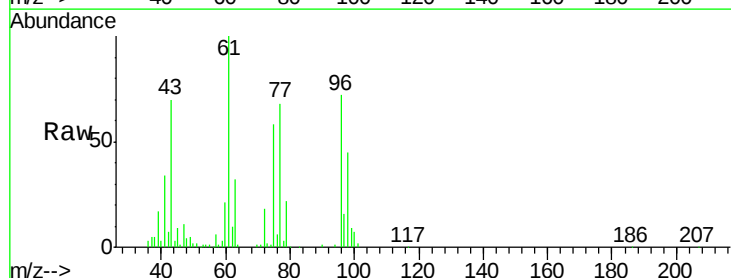
Acq: 23 Sep 2019 11:44

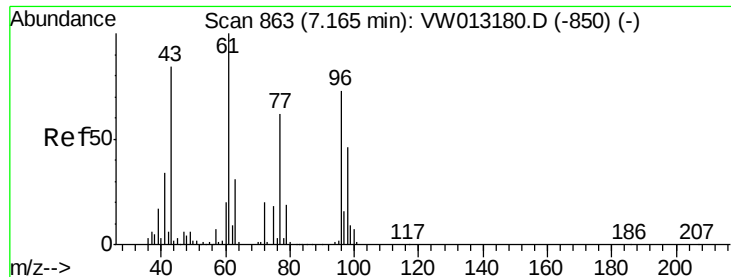
Tgt Ion: 77 Resp: 83884

Ion Ratio Lower Upper

77 100

97 24.1 11.8 35.4





#27

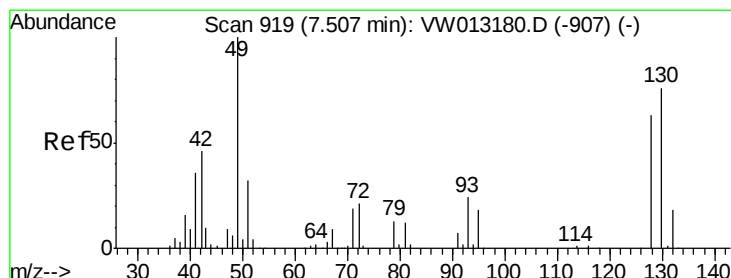
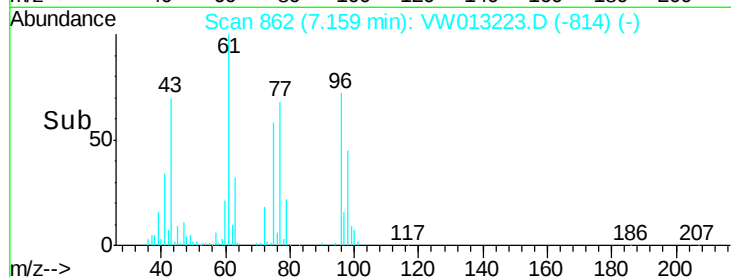
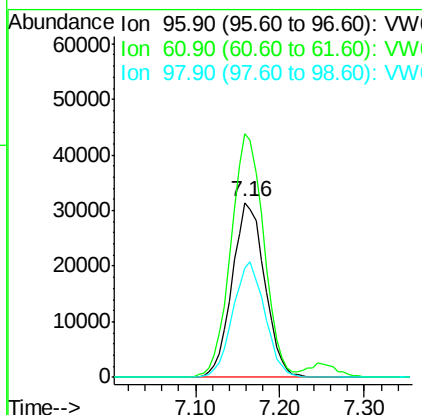
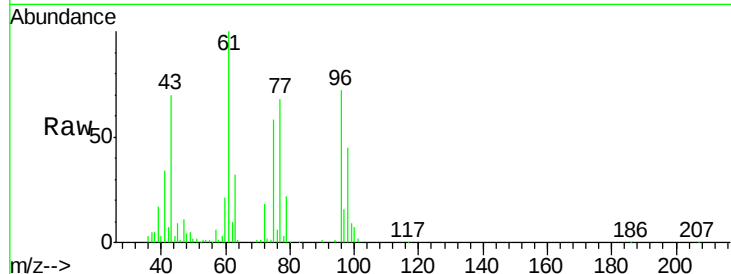
cis-1,2-Dichloroethene
Concen: 20.677 ug/l
RT: 7.16 min Scan# 862
Delta R.T. -0.01 min
Lab File: VW013223.D
Acq: 23 Sep 2019 11:44

Instrument :
MSVOA_W
ClientSampleId :
VW0923SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	140.5	0.0	282.4
98	64.7	0.0	128.2

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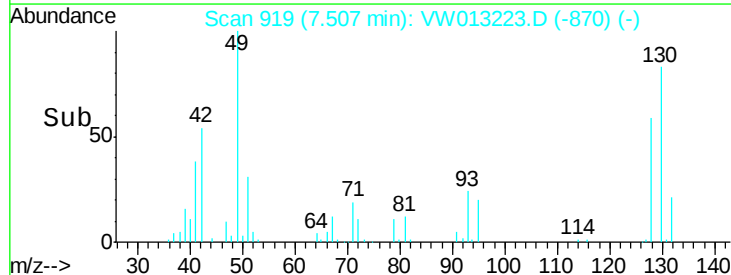
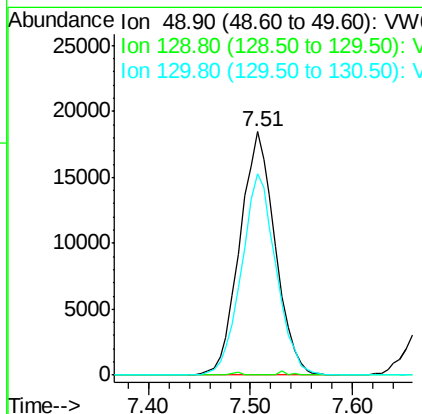
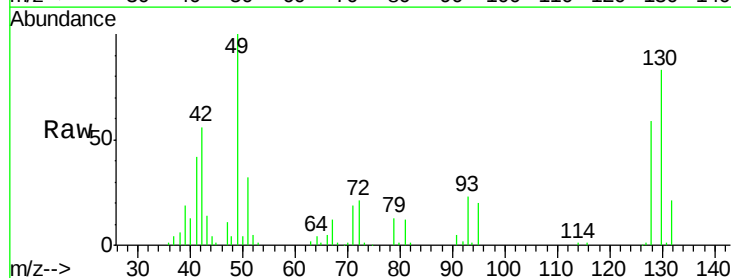
MMDadoda
9/25/2019 12:35:38 AM



#28

Bromochloromethane
Concen: 18.077 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.00 min
Lab File: VW013223.D
Acq: 23 Sep 2019 11:44

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.2	0.0	1.0
130	81.1	63.4	95.2





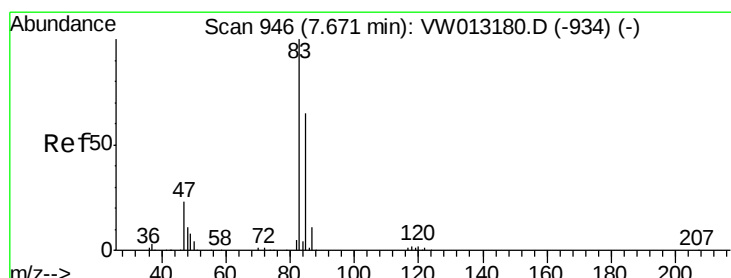
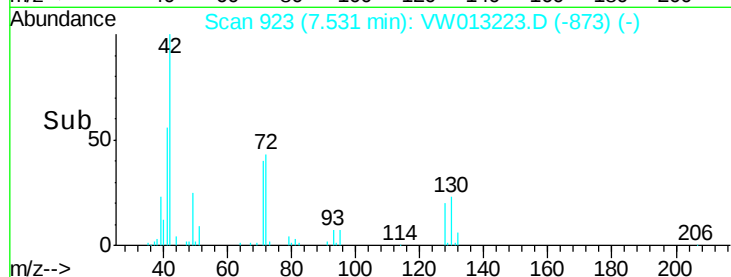
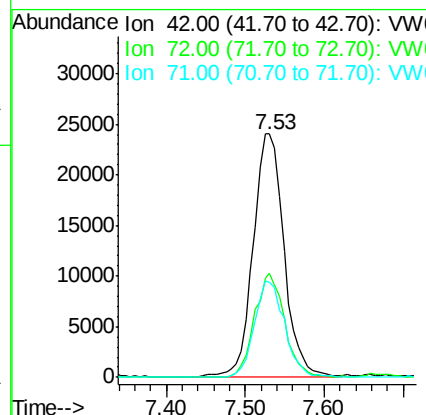
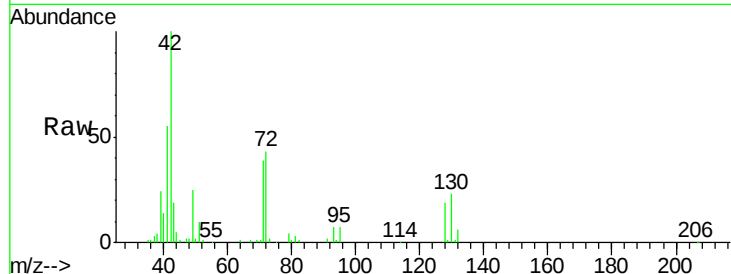
#29
Tetrahydrofuran
Concen: 103.033 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.01 min
Lab File: VW013223.D
Acq: 23 Sep 2019 11:44

Instrument :
MSVOA_W
ClientSampleId :
VW0923SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.3	33.9	50.9
71	38.8	31.9	47.9

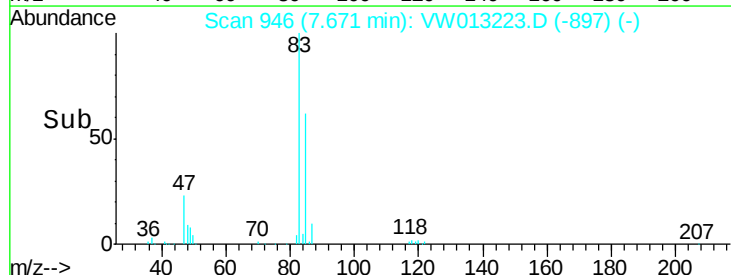
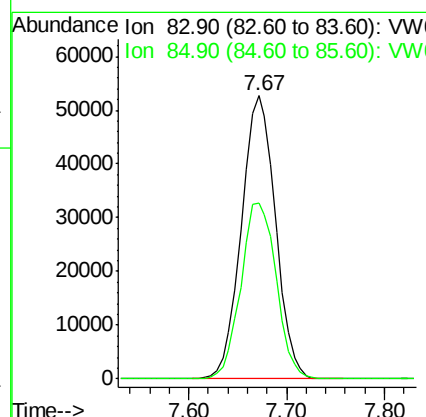
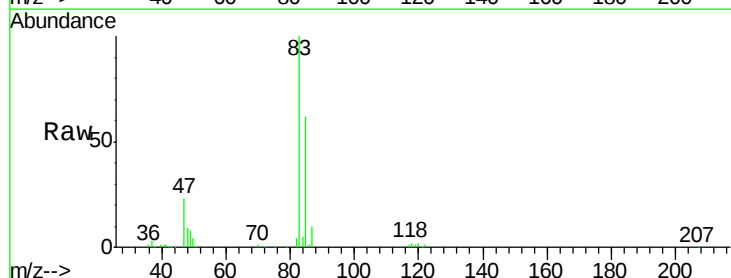
Manual Integrations
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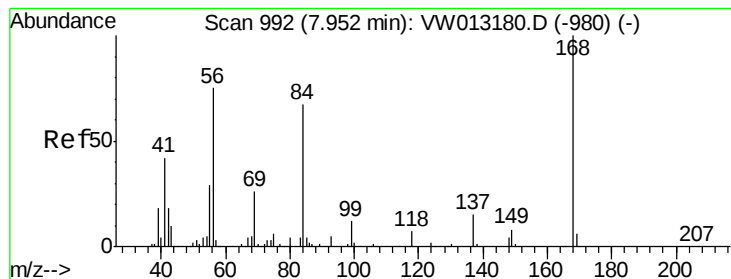
MMDadoda
9/25/2019 12:35:38 AM



#30
Chloroform
Concen: 20.355 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW013223.D
Acq: 23 Sep 2019 11:44

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.2	52.3	78.5





#31

Cyclohexane

Concen: 20.616 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW013223.D

Acq: 23 Sep 2019 11:44

Instrument :

MSVOA_W

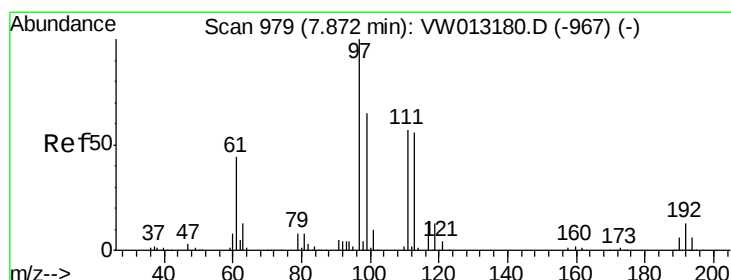
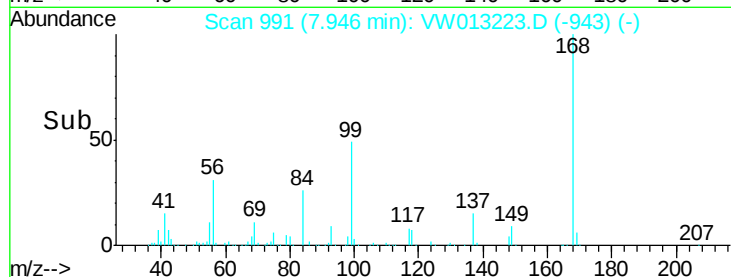
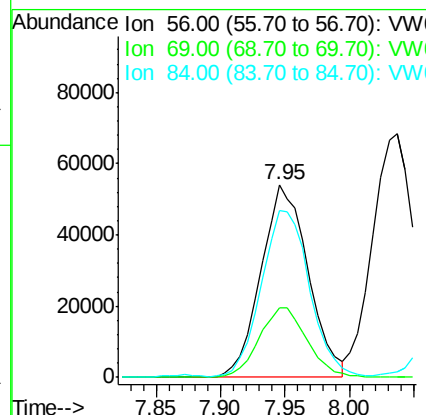
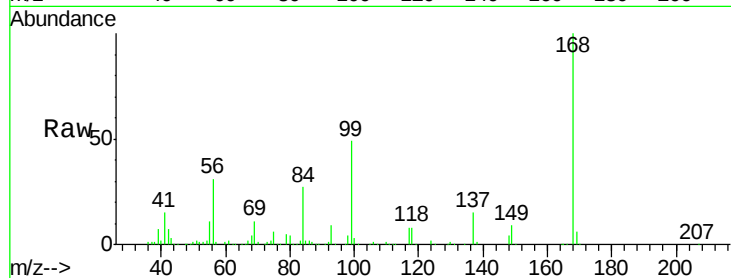
ClientSampleId :

VW0923SBS01

Tot Ion:	56	Resp:	137336
Ion Ratio	Lower	Upper	
56	100		
69	36.3	27.2	40.8
84	85.6	70.8	106.2

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#32

1,1,1-Trichloroethane

Concen: 20.412 ug/l

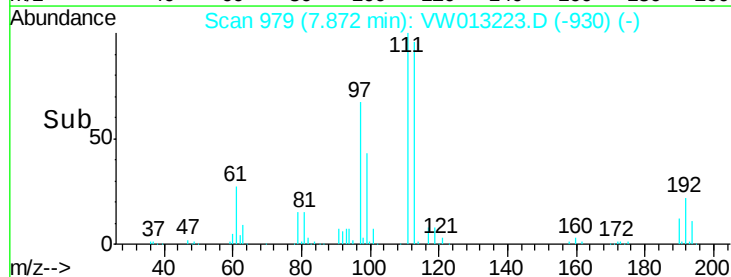
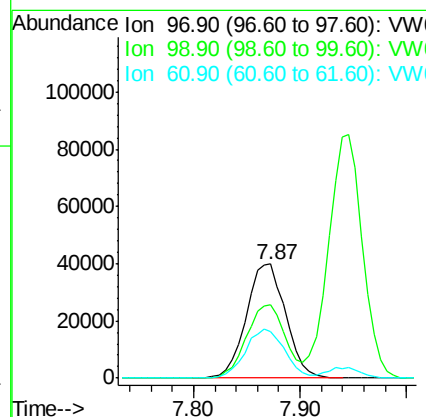
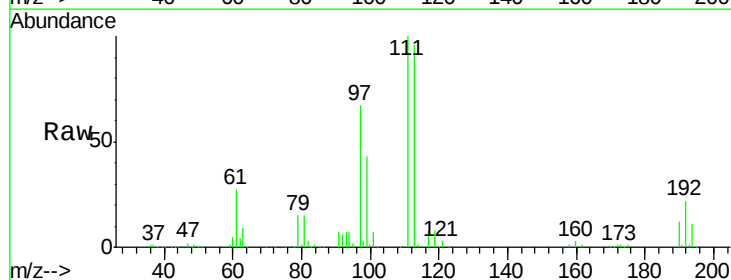
RT: 7.87 min Scan# 979

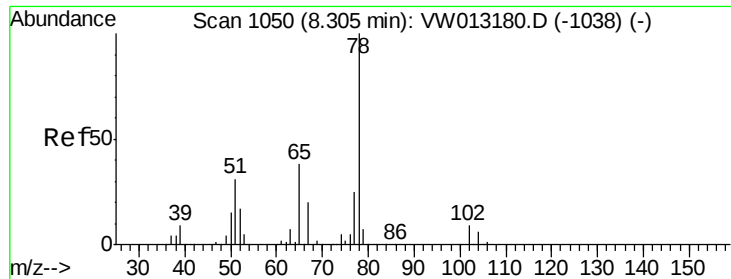
Delta R.T. -0.00 min

Lab File: VW013223.D

Acq: 23 Sep 2019 11:44

Tgt Ion:	97	Resp:	103440
Ion Ratio	Lower	Upper	
97	100		
99	63.9	51.7	77.5
61	42.9	34.6	51.8





#33

1,2-Dichloroethane-d4

Concen: 49.924 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW013223.D

Acq: 23 Sep 2019 11:44

Instrument :

MSVOA_W

ClientSampleId :

VW0923SBS01

Tot Ion: 65 Resp: 153433

Ion Ratio Lower Upper

65 100

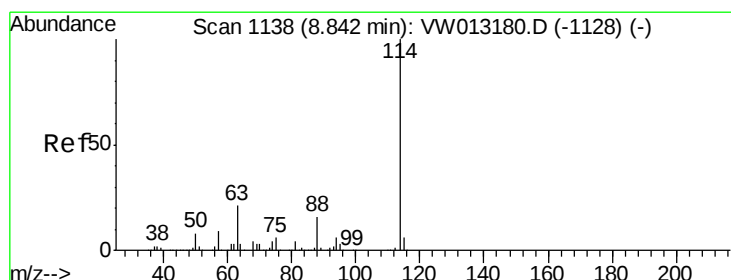
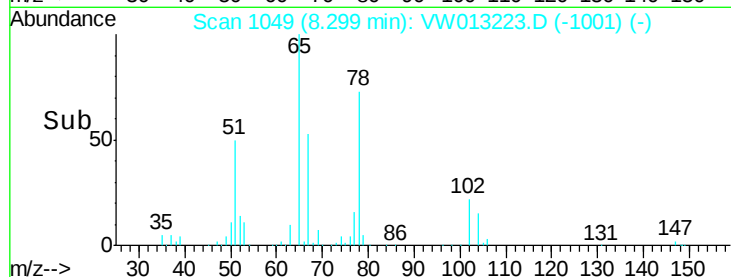
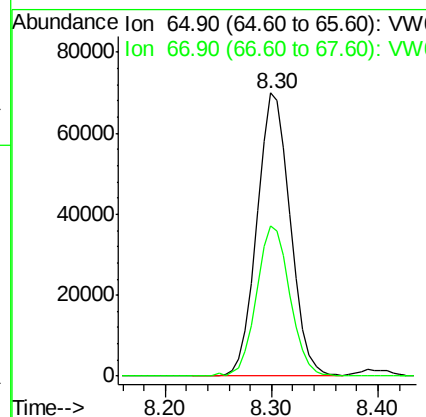
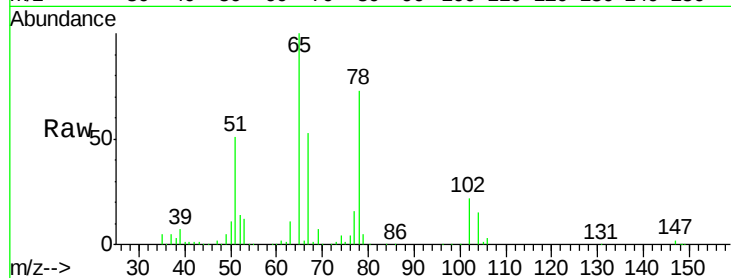
67 53.3 0.0 106.2

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW013223.D

Acq: 23 Sep 2019 11:44

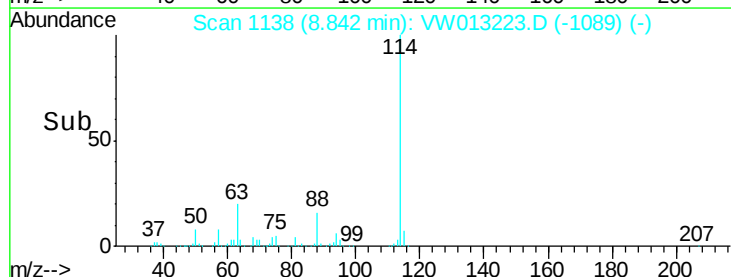
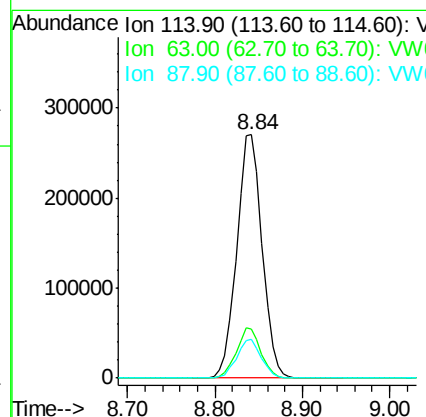
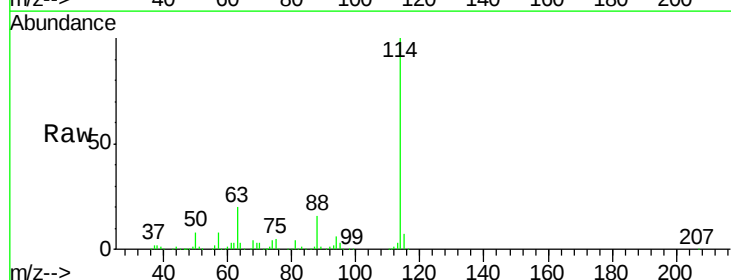
Tgt Ion: 114 Resp: 544467

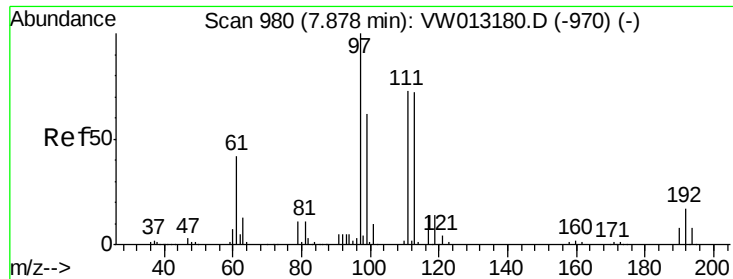
Ion Ratio Lower Upper

114 100

63 20.2 0.0 41.4

88 15.8 0.0 32.0





#35

Dibromofluoromethane

Concen: 50.631 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.00 min

Lab File: VW013223.D

Acq: 23 Sep 2019 11:44

Instrument :

MSVOA_W

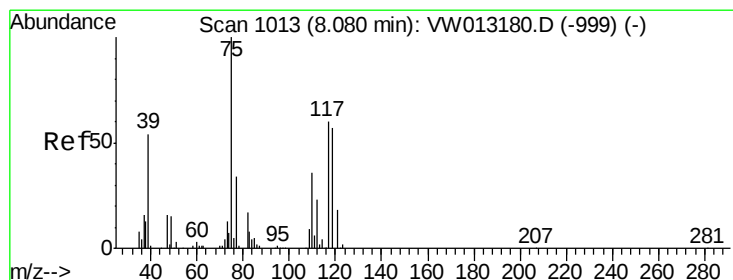
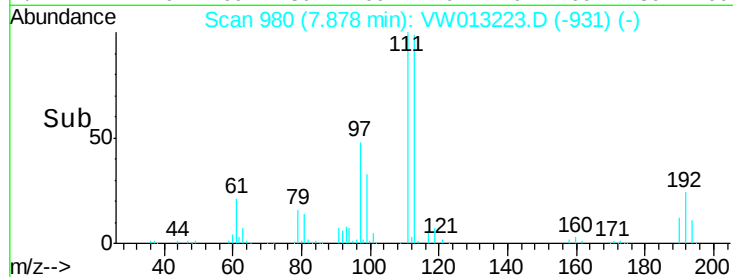
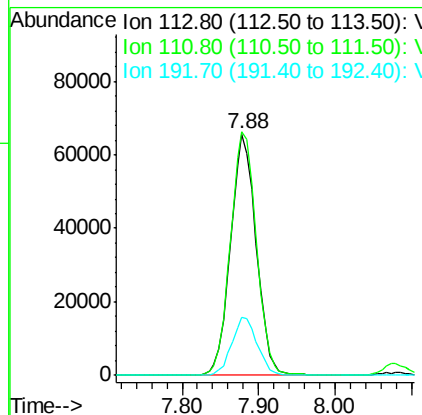
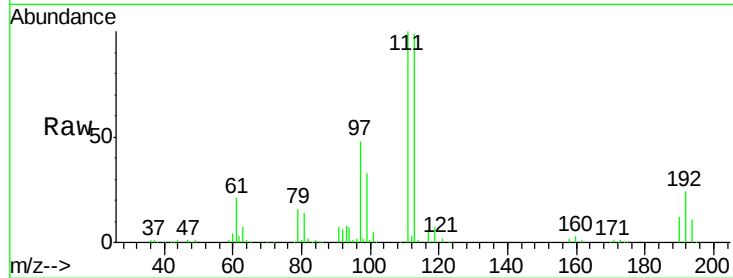
ClientSampleId :

VW0923SBS01

Tot Ion:	113	Resp:	151618
Ion Ratio	Lower	Upper	
113	100		
111	102.7	81.9	122.9
192	23.8	19.1	28.7

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#36

1,1-Dichloropropene

Concen: 20.850 ug/l

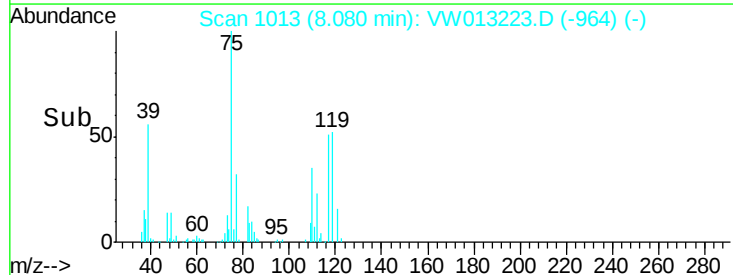
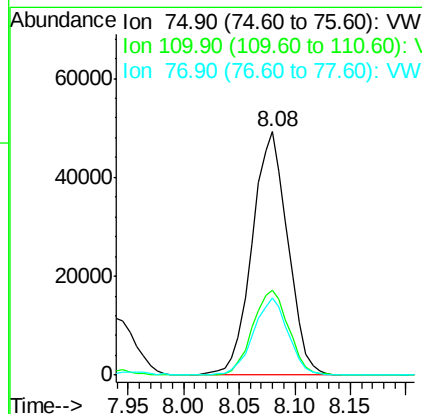
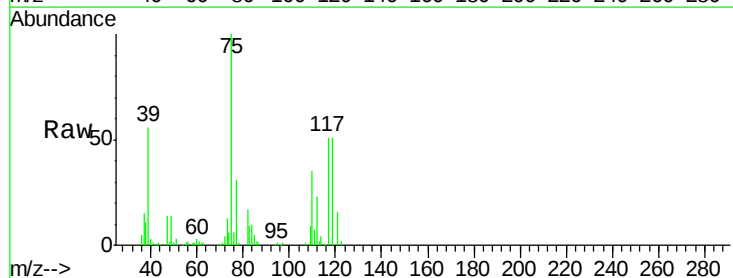
RT: 8.08 min Scan# 1013

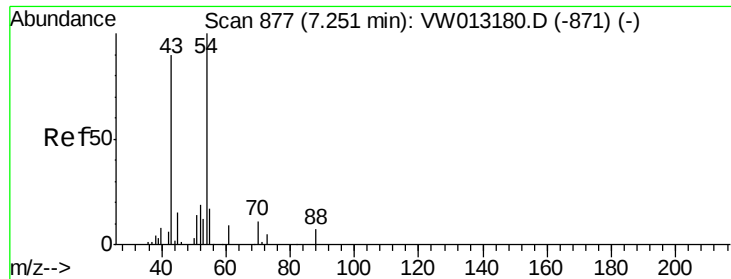
Delta R.T. -0.00 min

Lab File: VW013223.D

Acq: 23 Sep 2019 11:44

Tgt Ion:	75	Resp:	109953
Ion Ratio	Lower	Upper	
75	100		
110	35.3	18.1	54.3
77	31.1	25.8	38.6





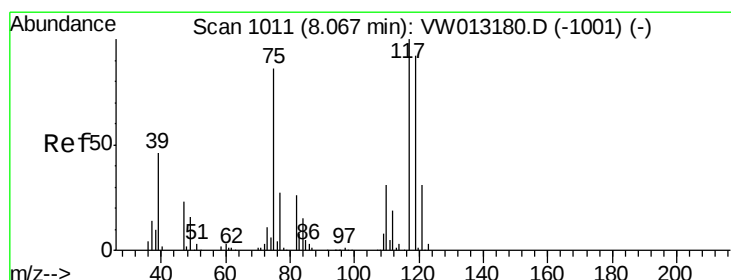
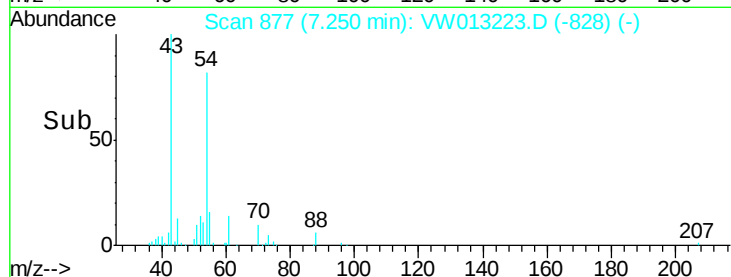
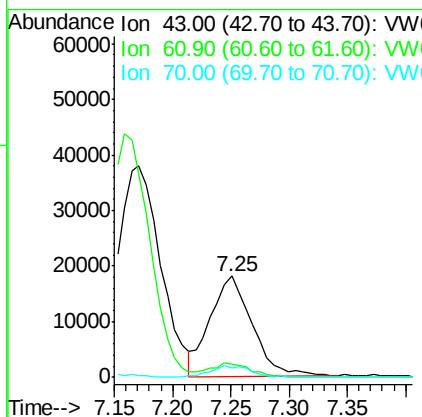
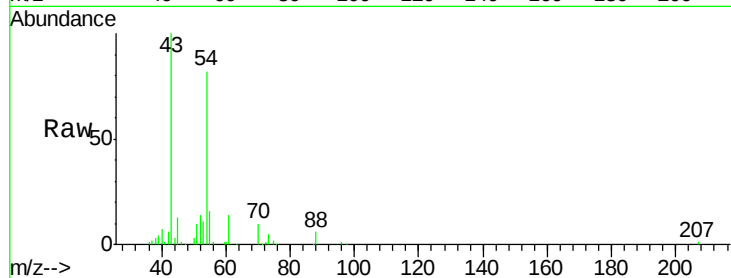
#37
Ethyl Acetate
Concen: 20.159 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW013223.D
Acq: 23 Sep 2019 11:44

Instrument :
MSVOA_W
ClientSampled :
VW0923SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.2	10.9	16.3
70	11.1	8.2	12.2

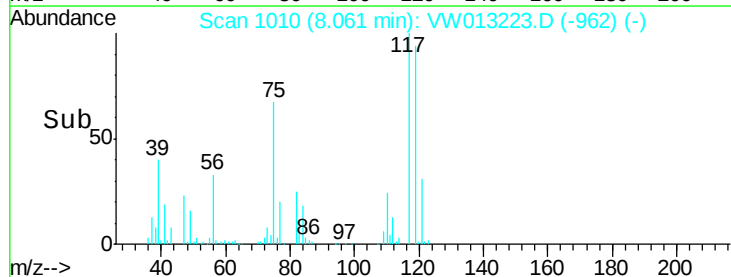
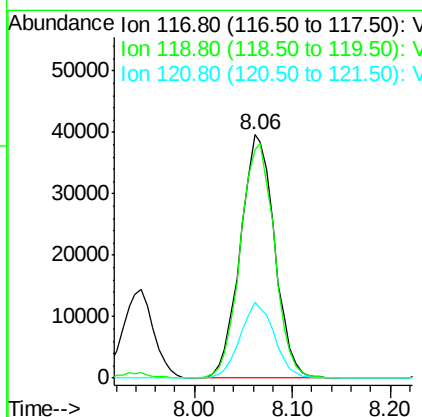
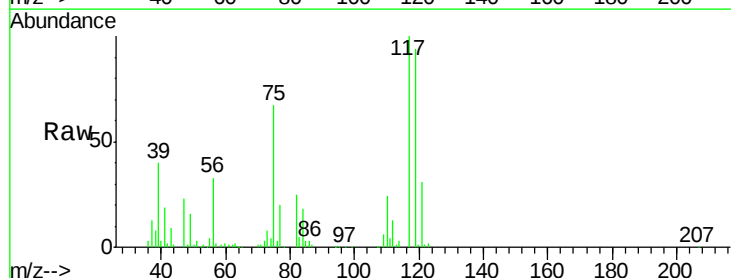
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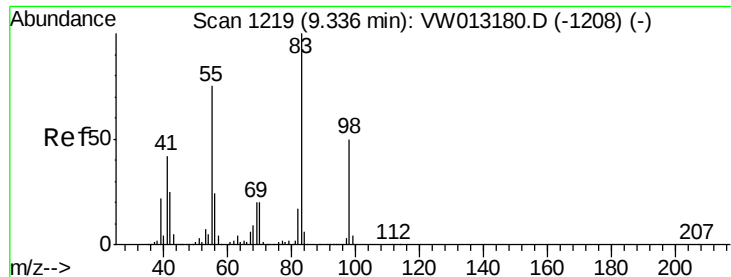
MMDadoda
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#38
Carbon Tetrachloride
Concen: 20.454 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW013223.D
Acq: 23 Sep 2019 11:44

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.7	73.5	110.3
121	30.9	25.0	37.6





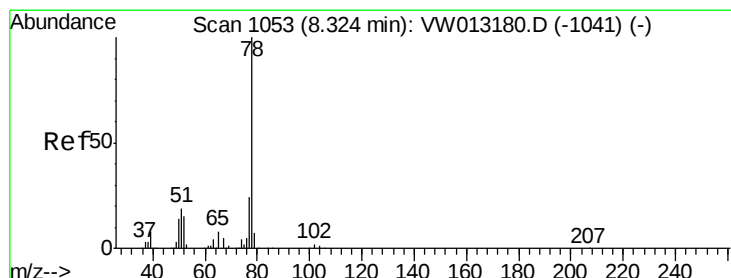
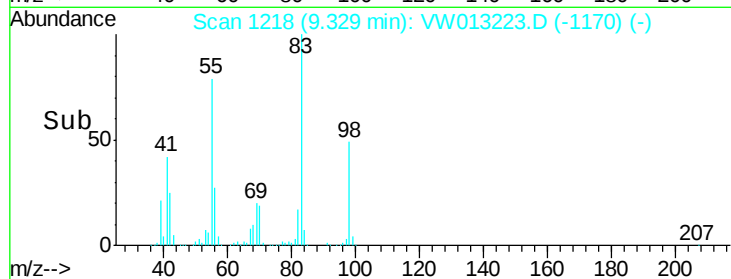
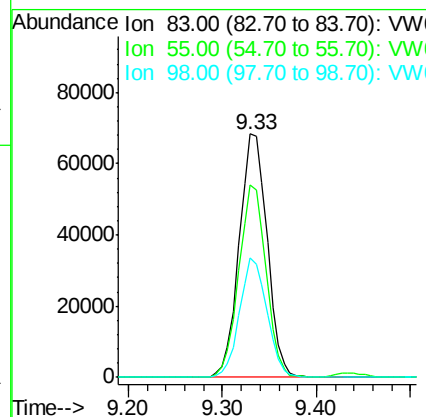
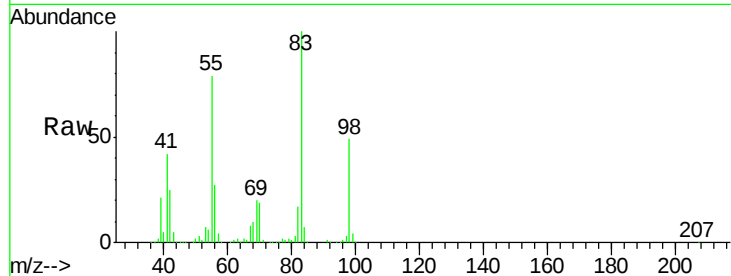
#39
Methylcyclohexane
Concen: 20.880 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW013223.D
Acq: 23 Sep 2019 11:44

Instrument :
MSVOA_W
ClientSampleId :
VW0923SBS01

Tot Ion	83	Resp	141506
Ion	Ratio	Lower	Upper
83	100		
55	78.8	60.4	90.6
98	48.8	40.0	60.0

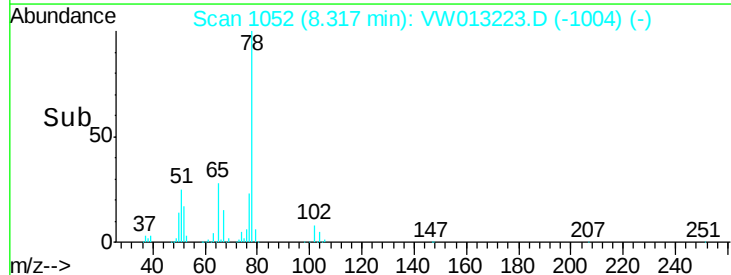
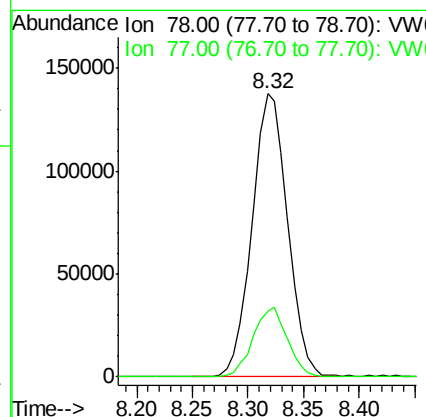
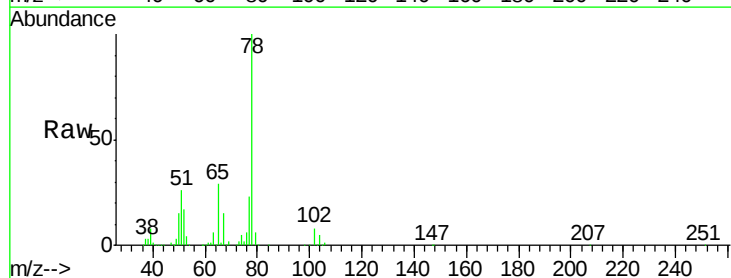
Manual Integrations
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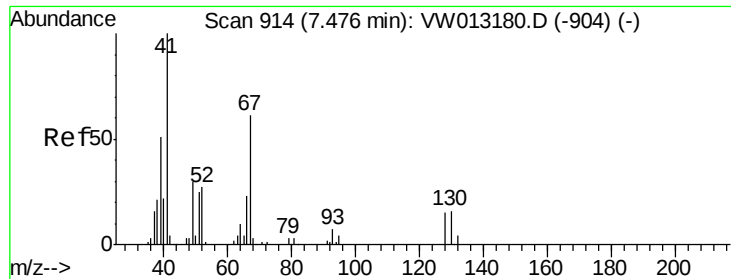
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#40
Benzene
Concen: 20.787 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW013223.D
Acq: 23 Sep 2019 11:44

Tgt Ion	78	Resp	305760
Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.1	28.7





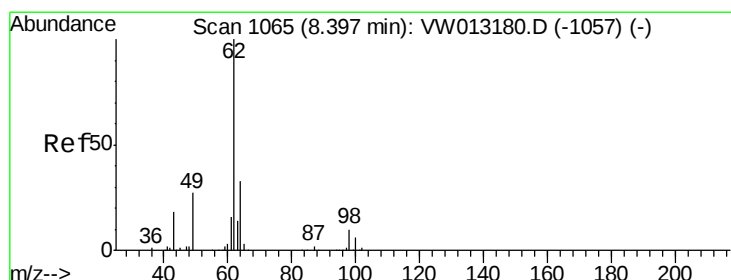
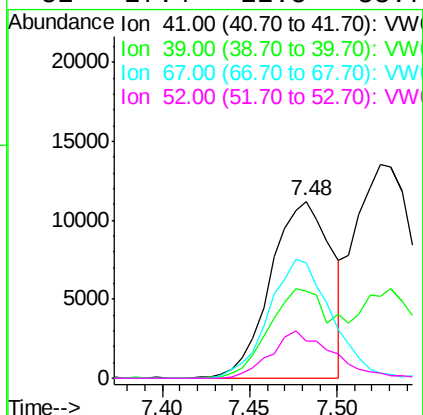
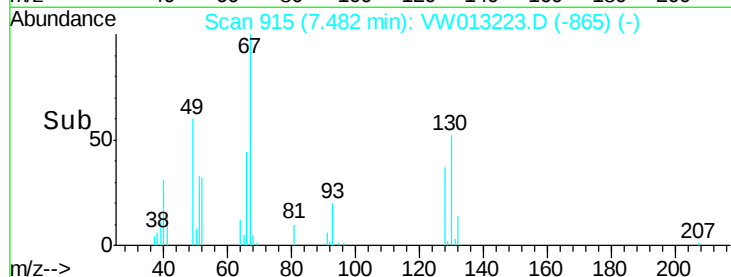
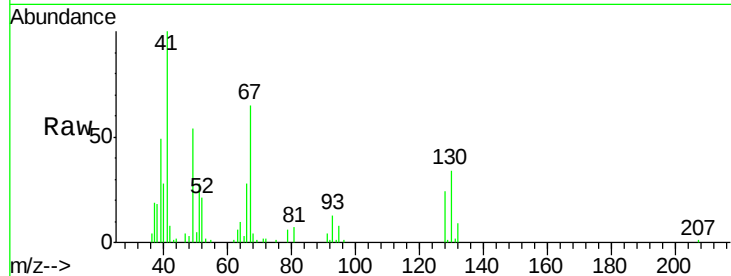
#41
Methacrylonitrile
Concen: 20.361 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.01 min
Lab File: VW013223.D
Acq: 23 Sep 2019 11:44

Instrument :
MSVOA_W
ClientSampleId :
VW0923SBS01

Tot Ion	41	Resp	27236
Ion Ratio	Lower	Upper	
41	100		
39	55.6	45.9	68.9
67	69.8	54.5	81.7
52	27.4	22.5	33.7

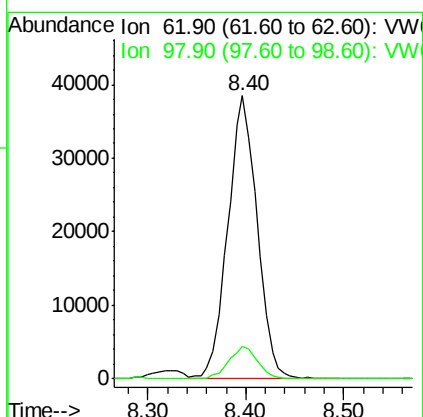
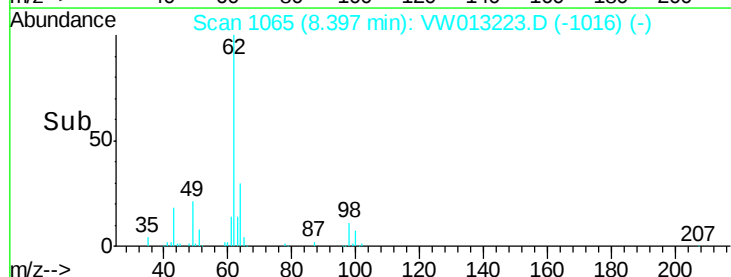
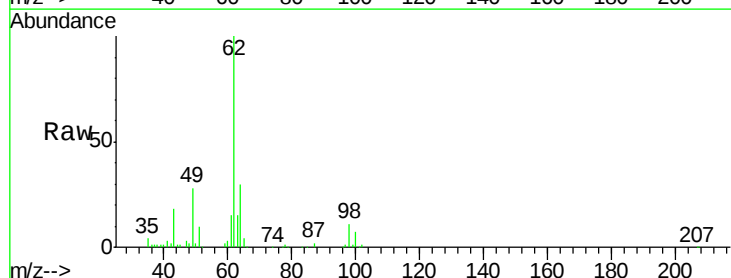
Manual Integrations
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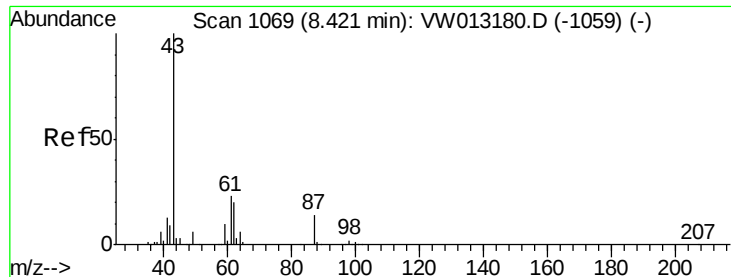
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#42
1,2-Dichloroethane
Concen: 20.274 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW013223.D
Acq: 23 Sep 2019 11:44

Tgt Ion	62	Resp	80169
Ion Ratio	Lower	Upper	
62	100		
98	11.1	0.0	20.6





#43

Isopropyl Acetate

Concen: 20.215 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW013223.D

Acq: 23 Sep 2019 11:44

Instrument :

MSVOA_W

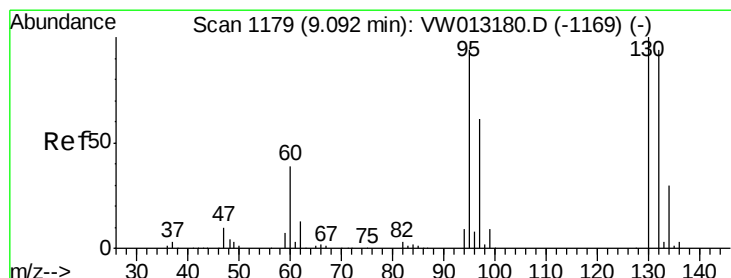
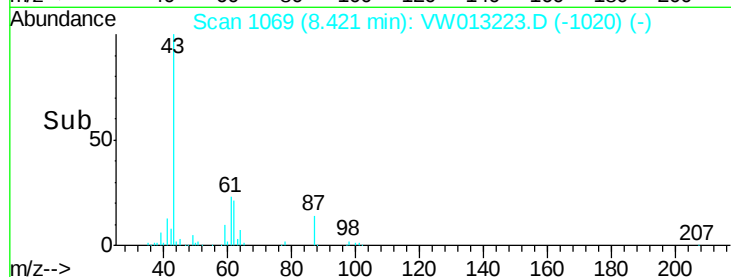
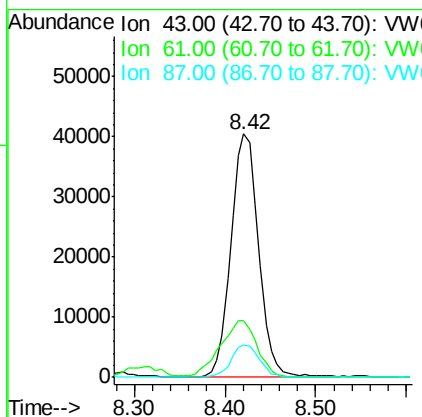
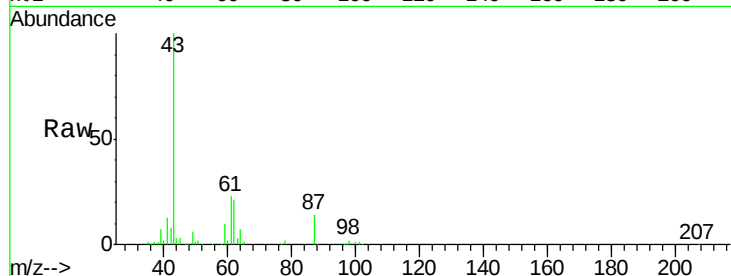
ClientSampleId :

VW0923SBS01

Tot Ion:	43	Resp:	86837
Ion	Ratio	Lower	Upper
43	100		
61	30.8	25.5	38.3
87	13.7	11.0	16.4

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#44

Trichloroethene

Concen: 20.695 ug/l

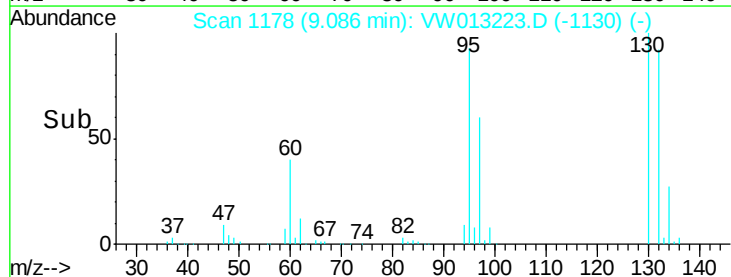
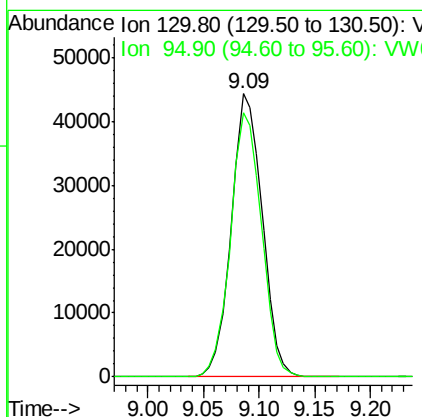
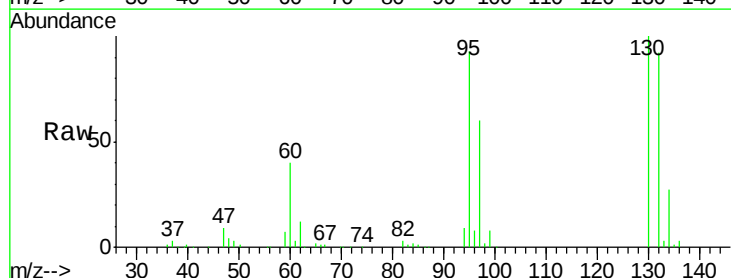
RT: 9.09 min Scan# 1178

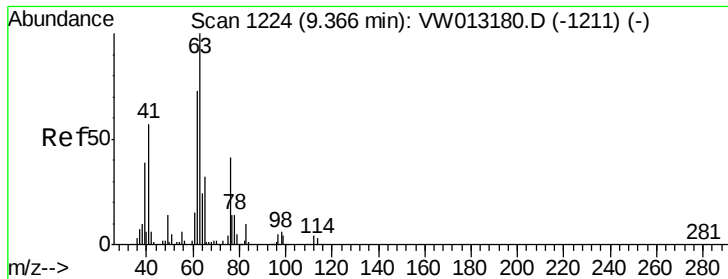
Delta R.T. -0.01 min

Lab File: VW013223.D

Acq: 23 Sep 2019 11:44

Tgt Ion:	130	Resp:	85408
Ion	Ratio	Lower	Upper
130	100		
95	93.4	0.0	188.0





#45

1,2-Dichloropropane

Concen: 20.408 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW013223.D

Acq: 23 Sep 2019 11:44

Instrument :

MSVOA_W

ClientSampleId :

VW0923SBS01

Tot Ion: 63 Resp: 73289

Ion Ratio Lower Upper

63 100

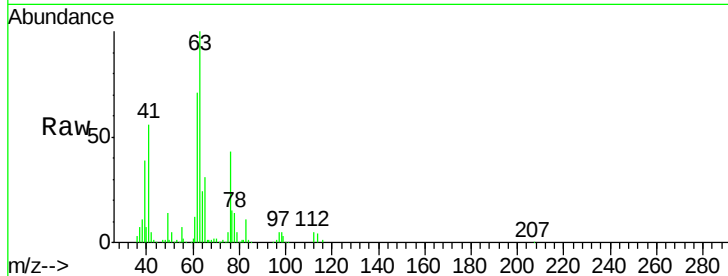
65 31.3 25.3 37.9

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Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 64.90 (64.60 to 65.60): VW

9.37

40000

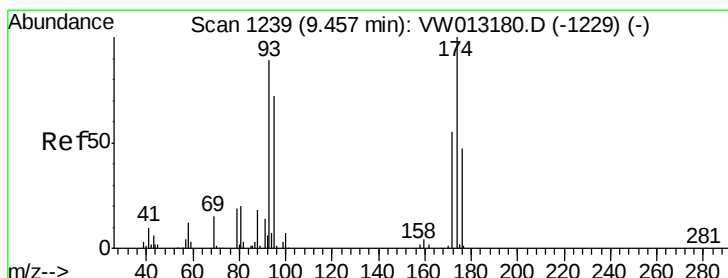
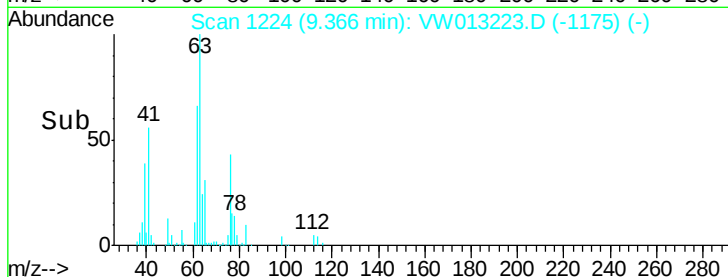
30000

20000

10000

0

Time-->



#46

Dibromomethane

Concen: 20.423 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW013223.D

Acq: 23 Sep 2019 11:44

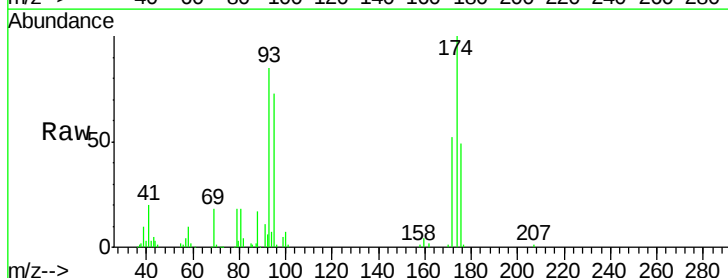
Tgt Ion: 93 Resp: 35608

Ion Ratio Lower Upper

93 100

95 83.8 66.4 99.6

174 117.9 93.0 139.6



Abundance Ion 92.80 (92.50 to 93.50): VW

Ion 94.80 (94.50 to 95.50): VW

Ion 173.70 (173.40 to 174.40): V

9.46

30000

25000

20000

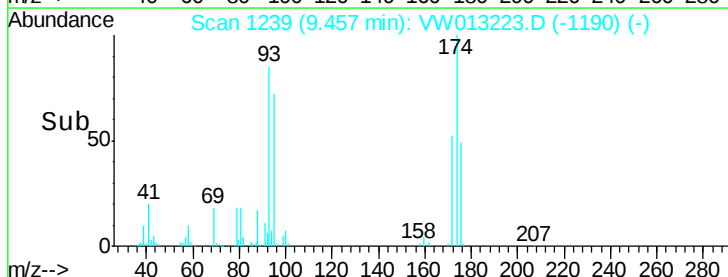
15000

10000

5000

0

Time-->





#47

Bromodichloromethane

Concen: 19.892 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VW013223.D

Acq: 23 Sep 2019 11:44

Instrument :

MSVOA_W

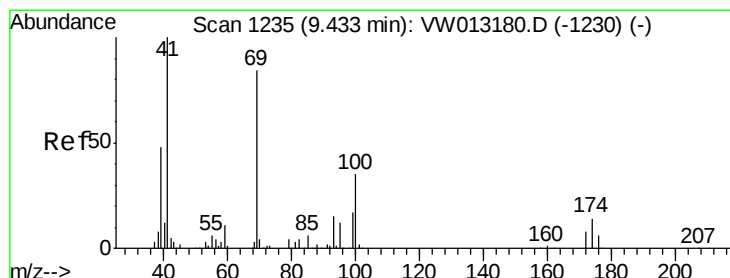
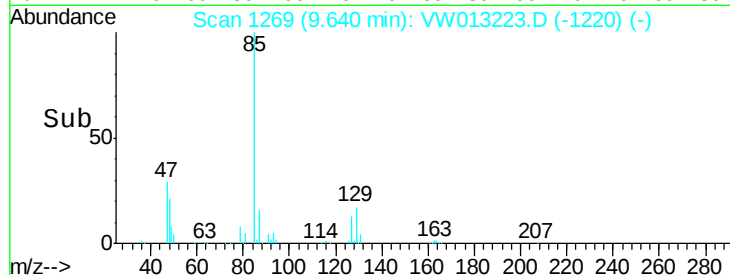
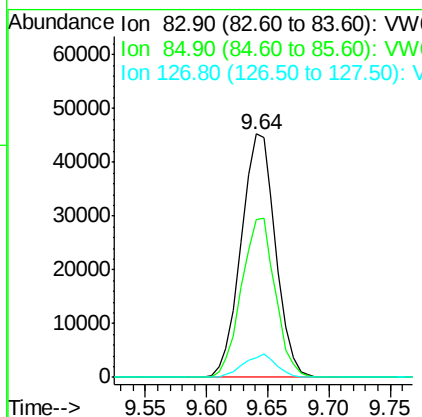
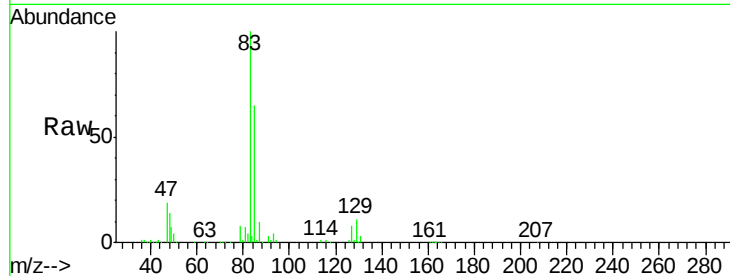
ClientSampleId :

VW0923SBS01

Tot Ion:	83	Resp:	88252
Ion	Ratio	Lower	Upper
83	100		
85	65.0	49.4	74.2
127	8.2	6.5	9.7

Manual Integrations
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#48

Methyl methacrylate

Concen: 21.362 ug/l

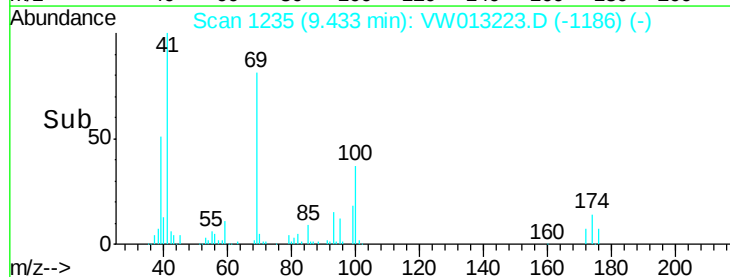
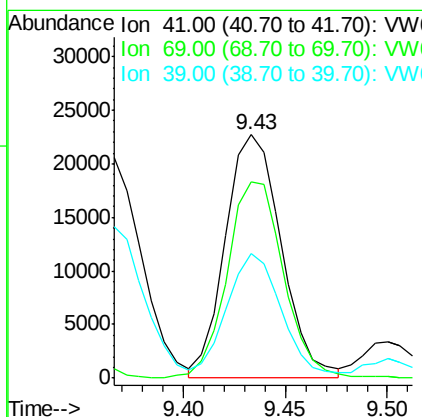
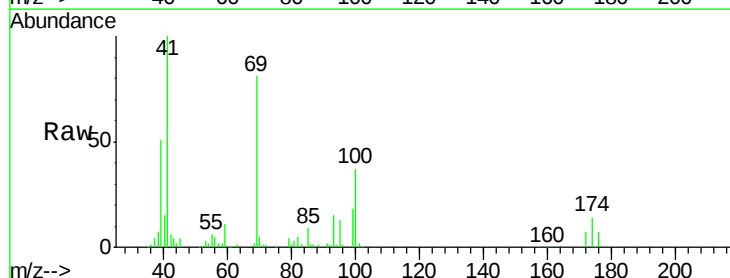
RT: 9.43 min Scan# 1235

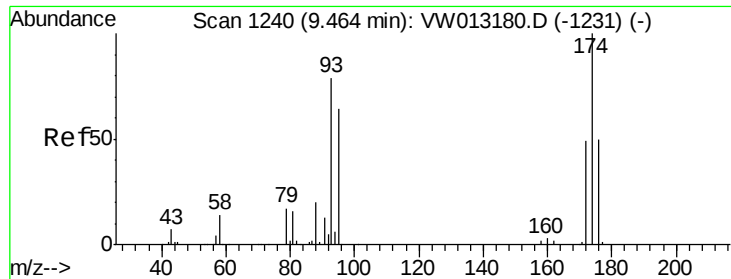
Delta R.T. -0.00 min

Lab File: VW013223.D

Acq: 23 Sep 2019 11:44

Tgt Ion:	41	Resp:	43148
Ion	Ratio	Lower	Upper
41	100		
69	82.0	69.7	104.5
39	45.9	41.1	61.7





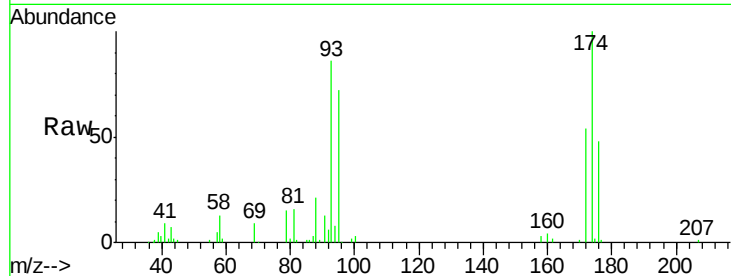
#49
1,4-Dioxane
Concen: 375.372 ug/l
RT: 9.46 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VW013223.D
Acq: 23 Sep 2019 11:44

Instrument :
MSVOA_W
ClientSampleId :
VW0923SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	0.0	0.0	0.0
58	80.6	65.4	98.0

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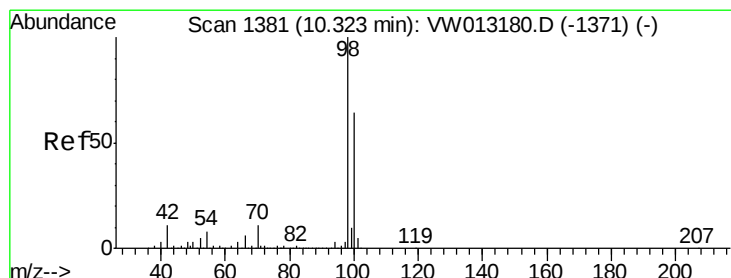
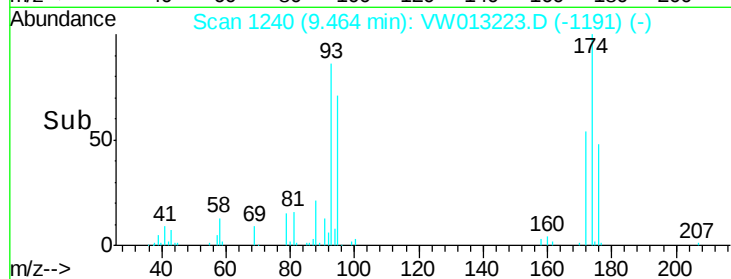
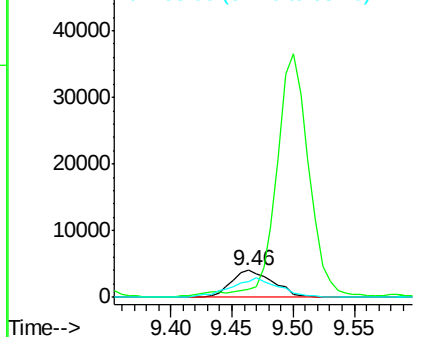


Abundance

Ion 88.00 (87.70 to 88.70): VW

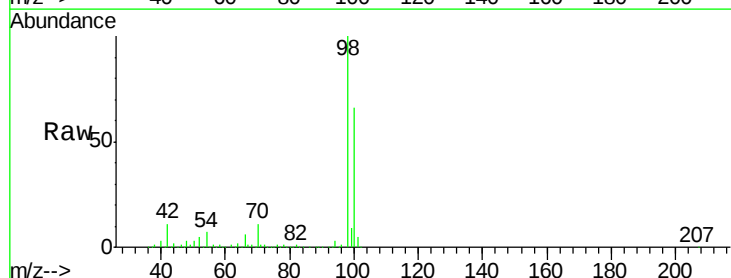
Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50
Toluene-d8
Concen: 50.646 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW013223.D
Acq: 23 Sep 2019 11:44

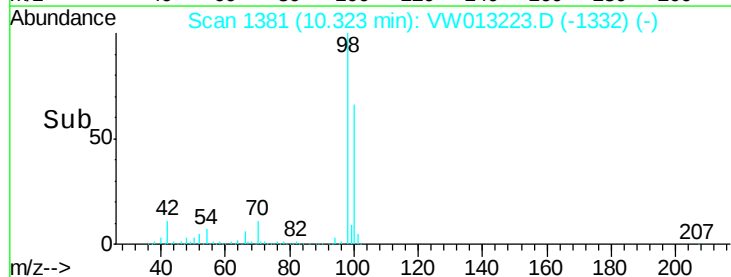
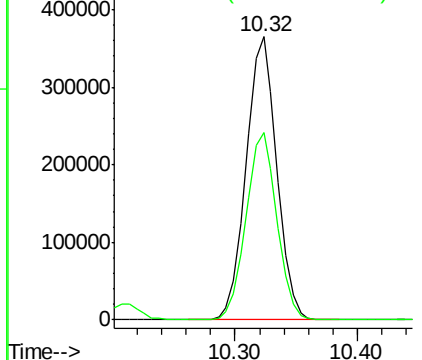
Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.5	52.9	79.3

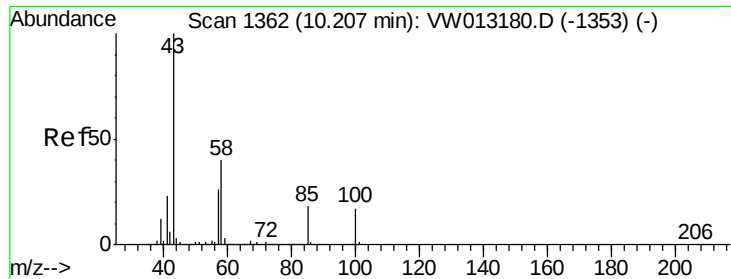


Abundance

Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 101.303 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW013223.D

Acq: 23 Sep 2019 11:44

Instrument :

MSVOA_W

ClientSampleId :

VW0923SBS01

Tot Ion: 43 Resp: 218152

Ion Ratio Lower Upper

43 100

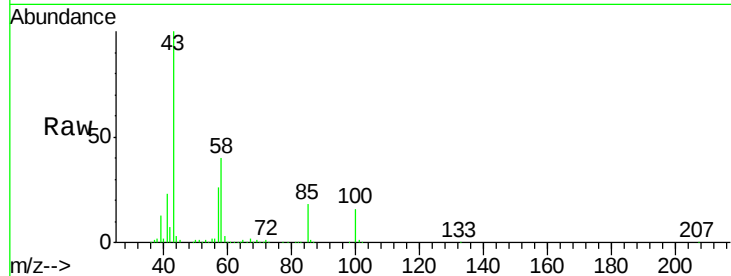
58 39.8 31.7 47.5

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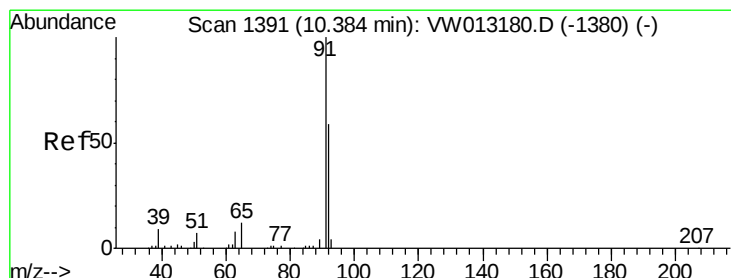
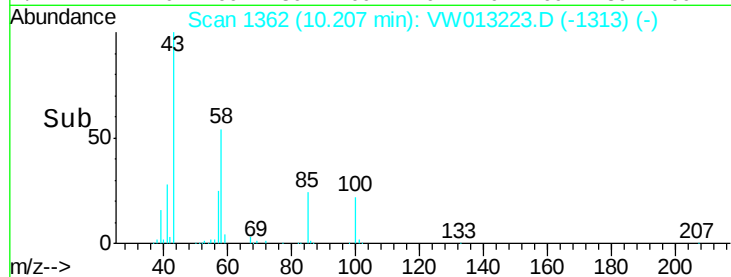
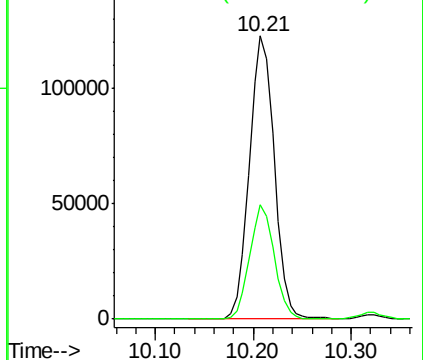
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#52

Toluene

Concen: 20.923 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW013223.D

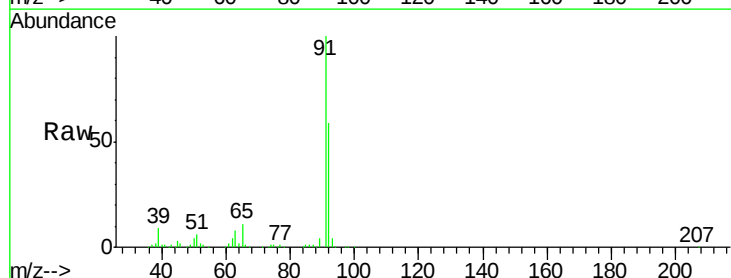
Acq: 23 Sep 2019 11:44

Tgt Ion: 92 Resp: 197247

Ion Ratio Lower Upper

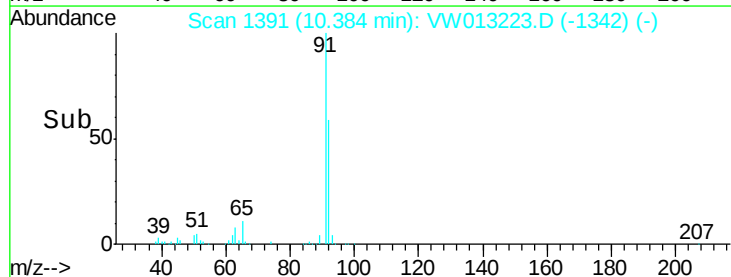
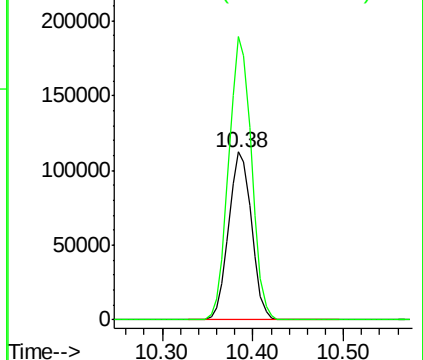
92 100

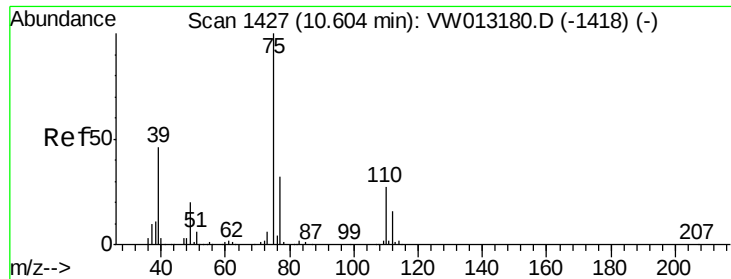
91 168.0 135.7 203.5



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW





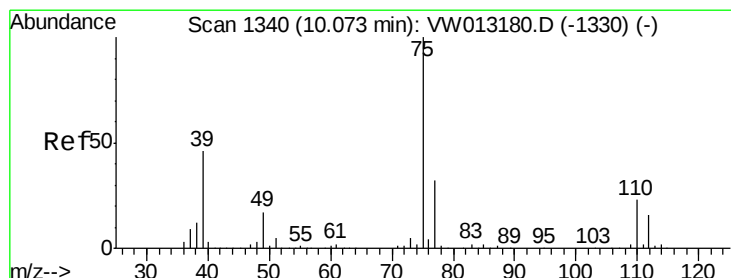
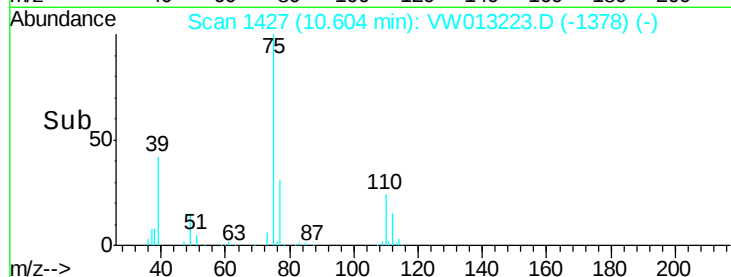
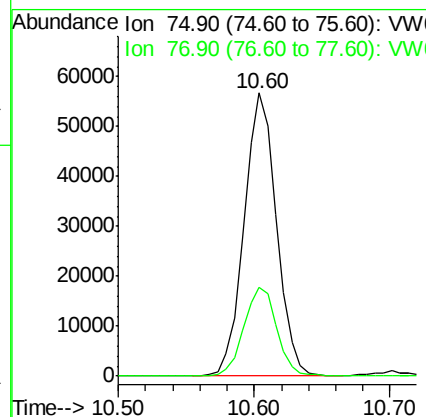
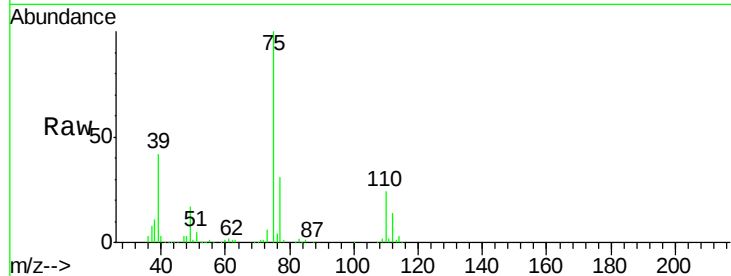
#53
t-1,3-Dichloropropene
Concen: 20.646 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. -0.00 min
Lab File: VW013223.D
Acq: 23 Sep 2019 11:44

Instrument :
MSVOA_W
ClientSampleId :
VW0923SBS01

Tot Ion: 75 Resp: 94103
Ion Ratio Lower Upper
75 100
77 31.2 25.5 38.3

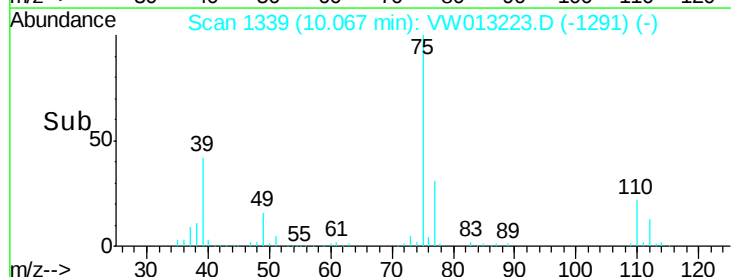
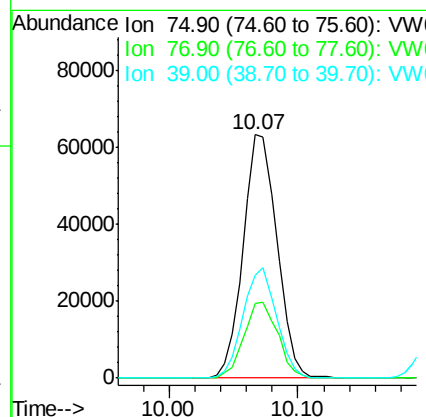
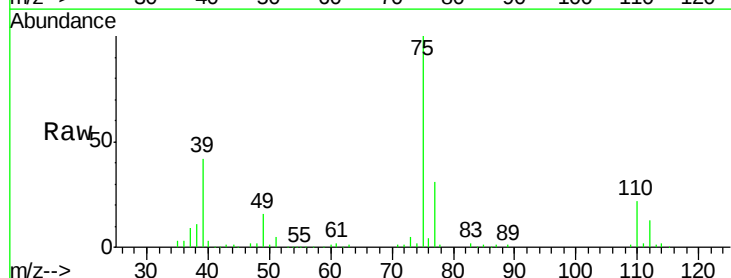
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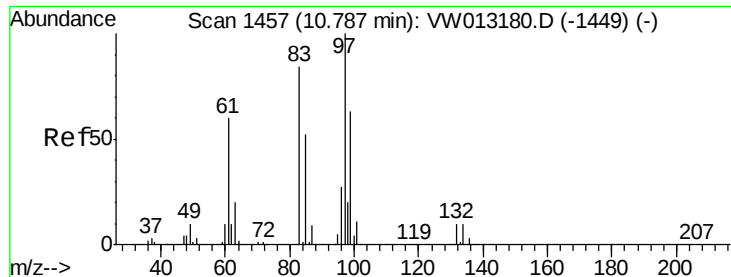
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#54
cis-1,3-Dichloropropene
Concen: 20.788 ug/l
RT: 10.07 min Scan# 1339
Delta R.T. -0.01 min
Lab File: VW013223.D
Acq: 23 Sep 2019 11:44

Tgt Ion: 75 Resp: 115204
Ion Ratio Lower Upper
75 100
77 30.7 25.2 37.8
39 42.0 36.6 55.0





#55

1,1,2-Trichloroethane

Concen: 20.531 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW013223.D

Acq: 23 Sep 2019 11:44

Instrument :

MSVOA_W

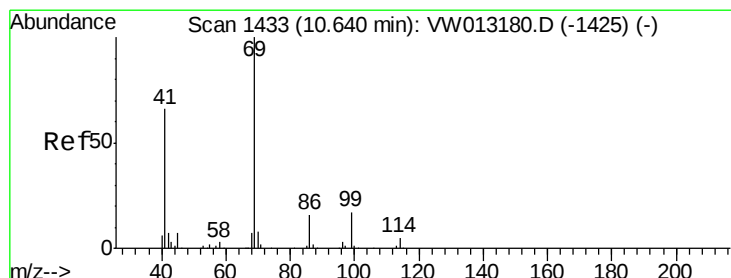
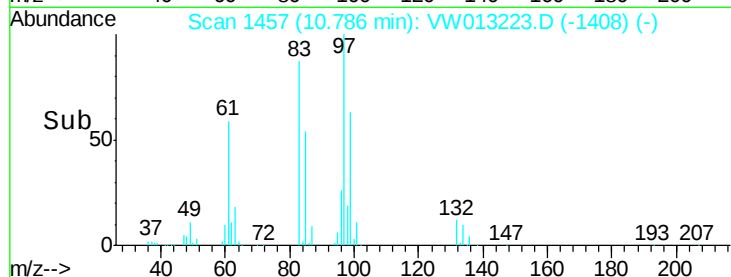
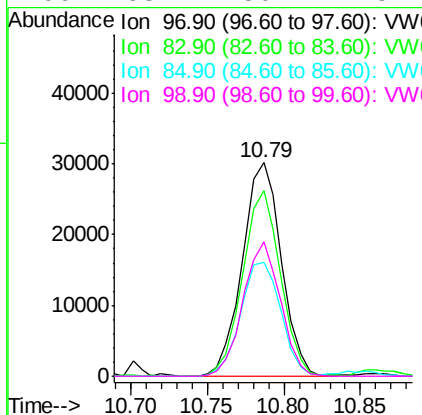
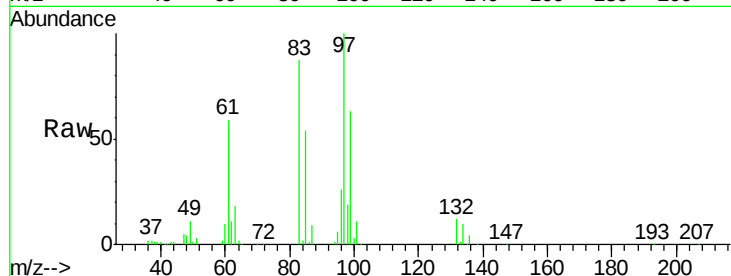
ClientSampleId :

VW0923SBS01

Tot Ion:	97	Resp:	53504
Ion	Ratio	Lower	Upper
97	100		
83	87.1	67.6	101.4
85	53.6	41.9	62.9
99	63.2	50.1	75.1

Manual Integrations
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#56

Ethyl methacrylate

Concen: 20.503 ug/l

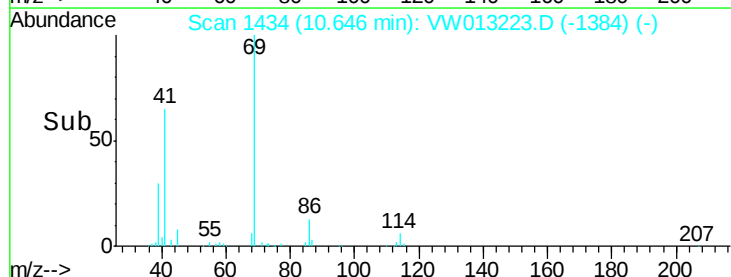
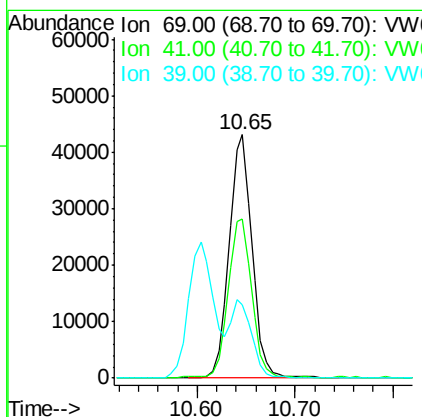
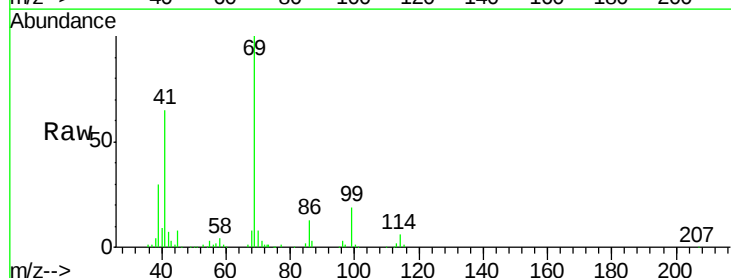
RT: 10.65 min Scan# 1434

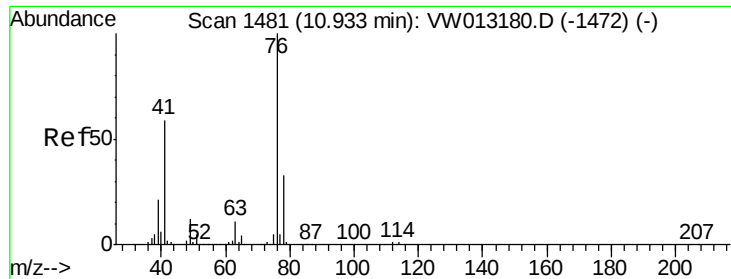
Delta R.T. 0.01 min

Lab File: VW013223.D

Acq: 23 Sep 2019 11:44

Tgt Ion:	69	Resp:	69926
Ion	Ratio	Lower	Upper
69	100		
41	66.6	53.9	80.9
39	29.0	23.8	35.6





#57

1,3-Dichloropropane

Concen: 20.334 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

Lab File: VW013223.D

Acq: 23 Sep 2019 11:44

Instrument :

MSVOA_W

ClientSampleId :

VW0923SBS01

Tot Ion: 76 Resp: 92473

Ion Ratio Lower Upper

76 100

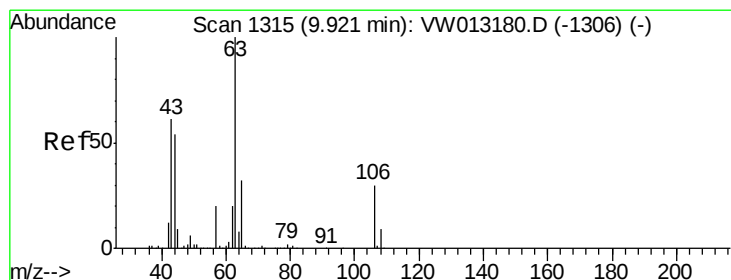
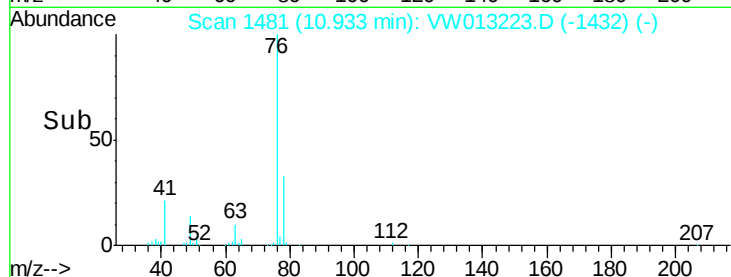
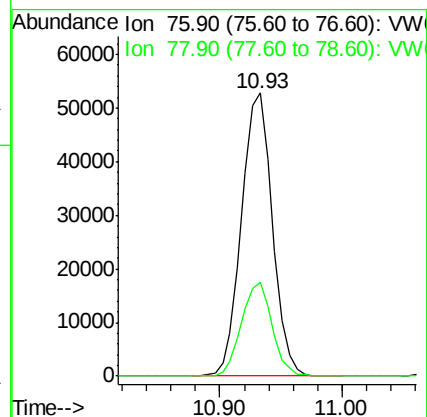
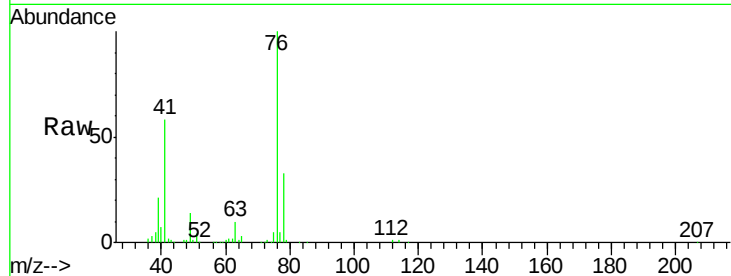
78 32.7 25.5 38.3

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 106.287 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VW013223.D

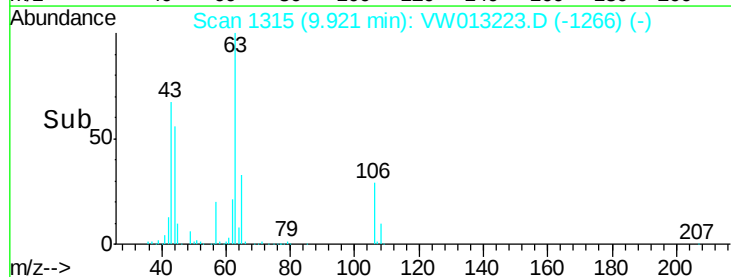
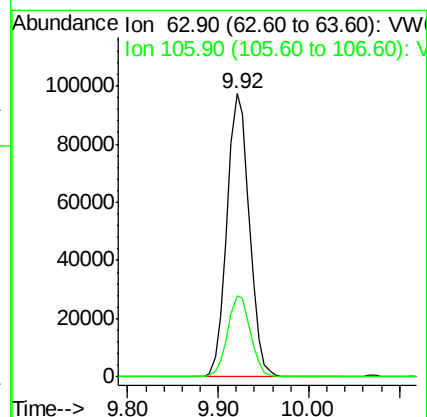
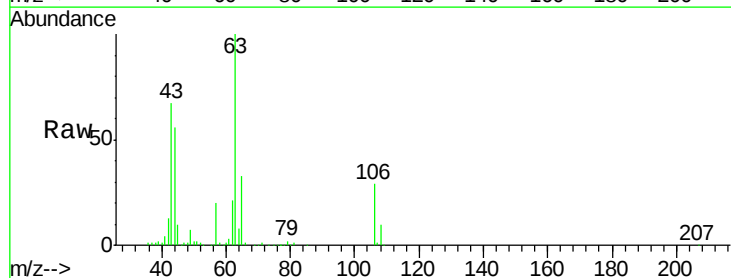
Acq: 23 Sep 2019 11:44

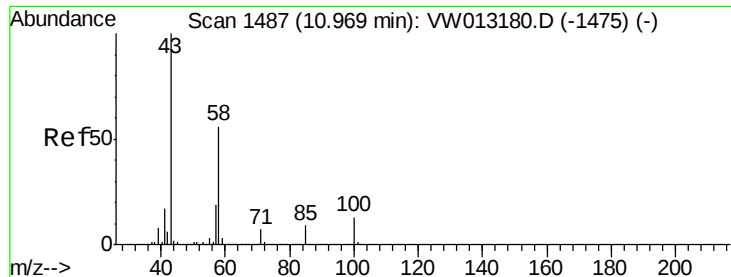
Tgt Ion: 63 Resp: 167817

Ion Ratio Lower Upper

63 100

106 29.0 23.4 35.0





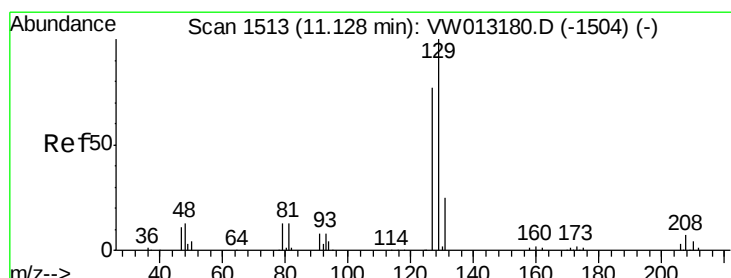
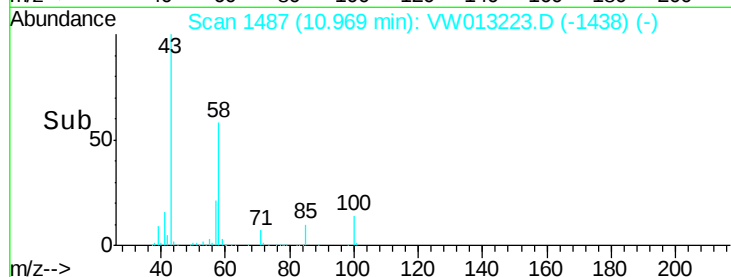
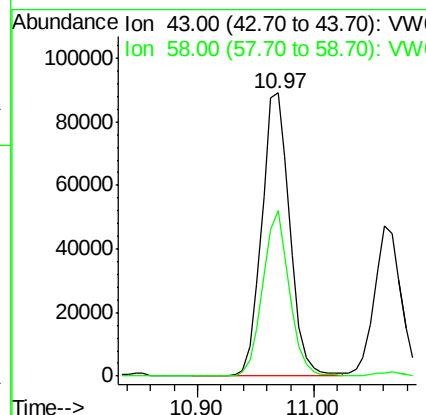
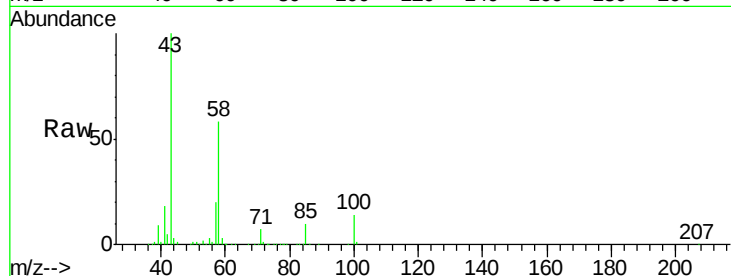
#59
2-Hexanone
Concen: 101.024 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW013223.D
Acq: 23 Sep 2019 11:44

Instrument :
MSVOA_W
ClientSampleId :
VW0923SBS01

Tot Ion: 43 Resp: 149675
Ion Ratio Lower Upper
43 100
58 55.4 28.1 84.2

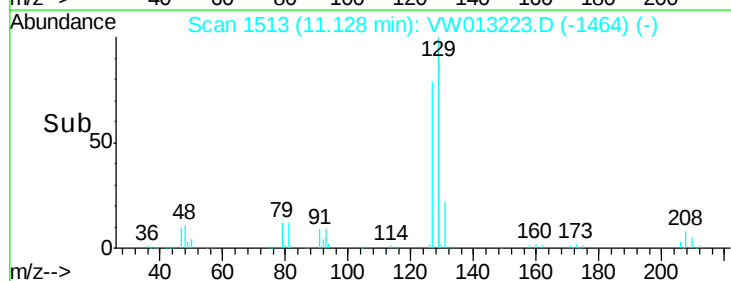
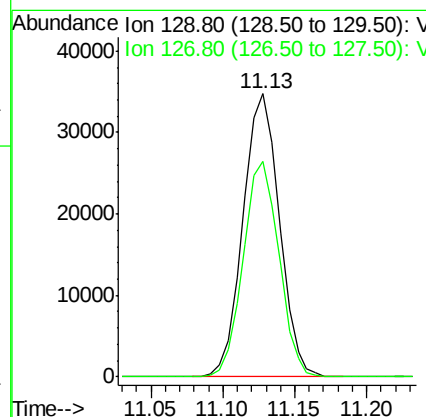
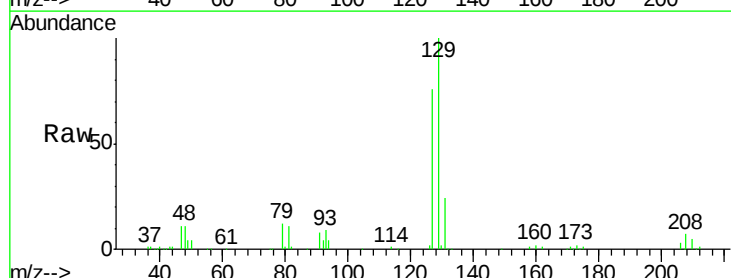
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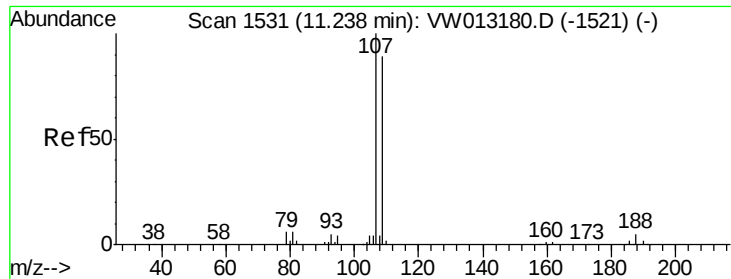
MMDadoda
9/25/2019 12:35:38 AM



#60
Dibromochloromethane
Concen: 20.563 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW013223.D
Acq: 23 Sep 2019 11:44

Tgt Ion: 129 Resp: 60848
Ion Ratio Lower Upper
129 100
127 74.9 38.8 116.4





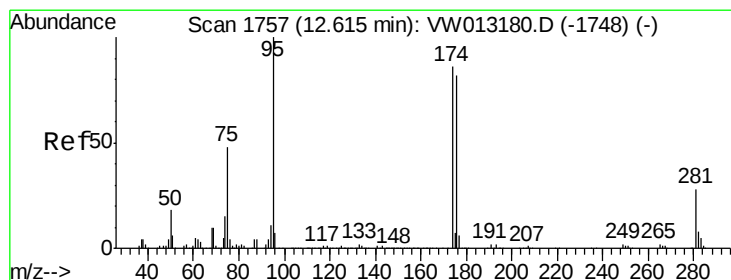
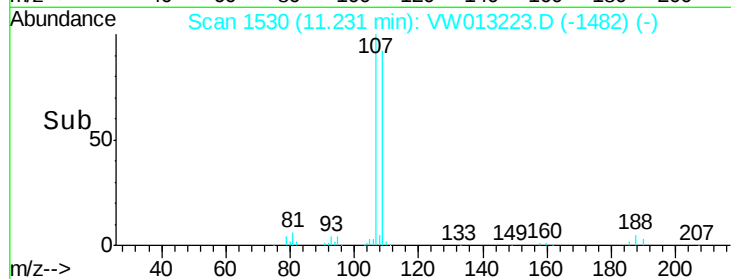
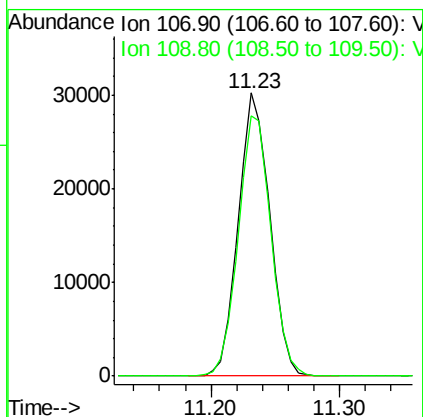
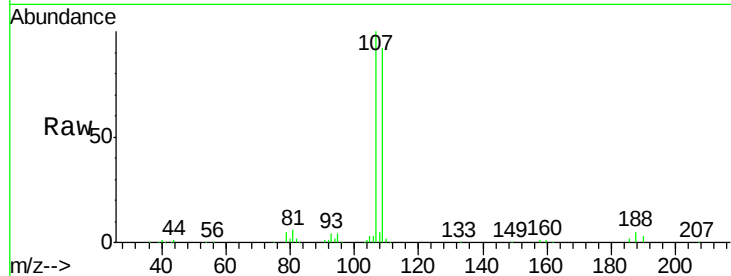
#61
 1,2-Dibromoethane
 Concen: 20.690 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW013223.D
 Acq: 23 Sep 2019 11:44

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0923SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.4	75.2	112.8

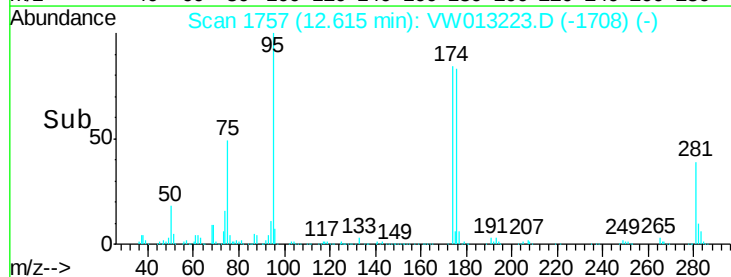
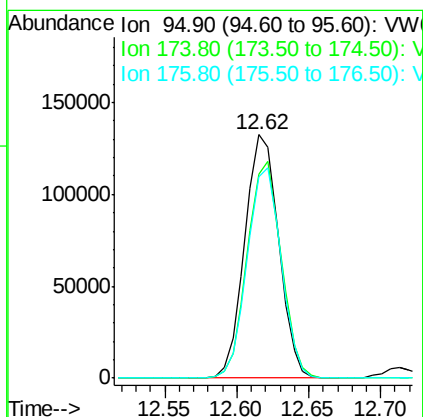
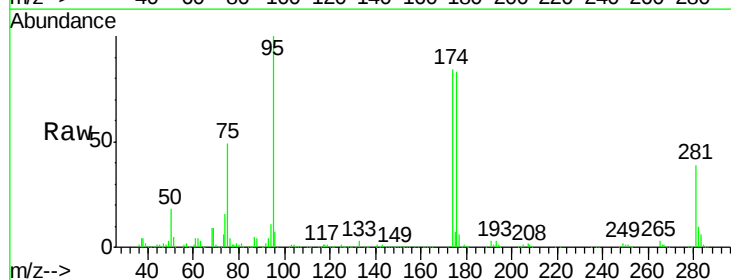
Manual Integrations
 APPROVED

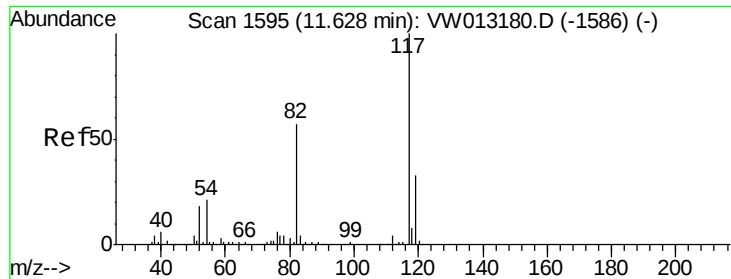
MMDadoda
 9/25/2019 12:35:38 AM



#62
 4-Bromofluorobenzene
 Concen: 50.561 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW013223.D
 Acq: 23 Sep 2019 11:44

Tgt Ion	Ratio	Lower	Upper
95	100		
174	88.5	0.0	178.4
176	86.2	0.0	172.2





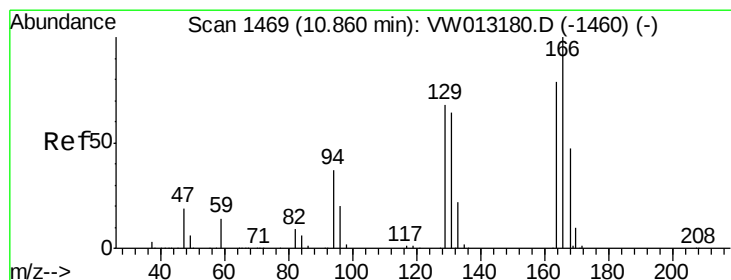
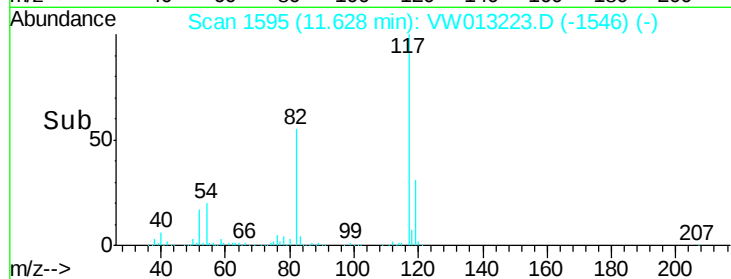
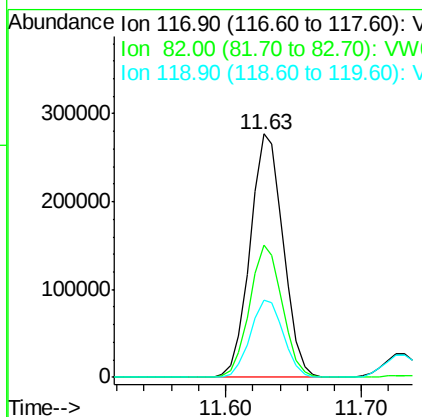
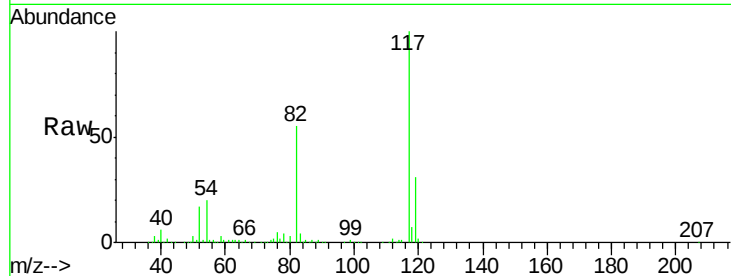
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW013223.D
Acq: 23 Sep 2019 11:44

Instrument :
MSVOA_W
ClientSampleId :
VW0923SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	471219		
82	54.5		45.9	68.9
119	31.5		26.2	39.2

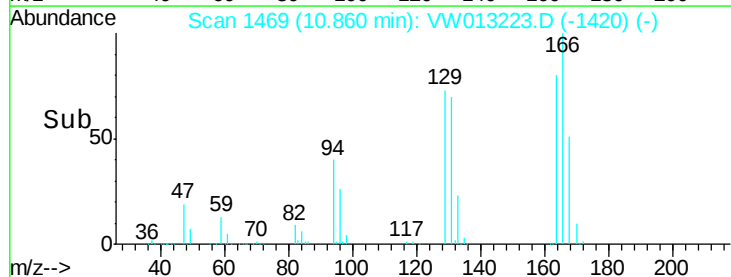
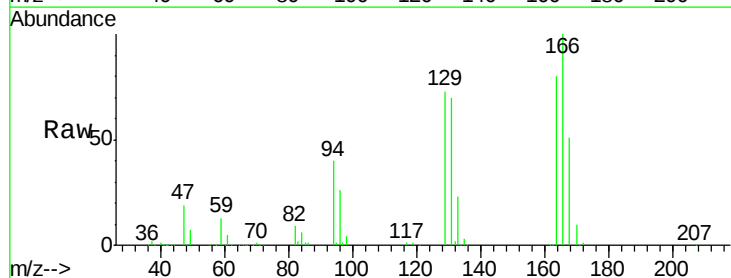
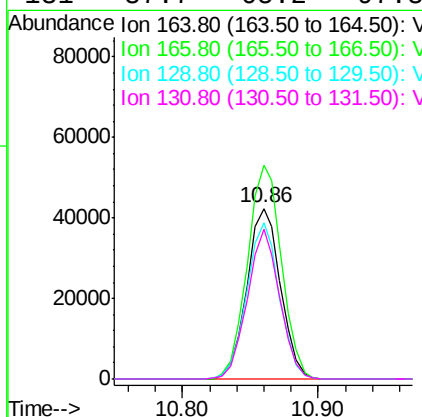
Manual Integrations
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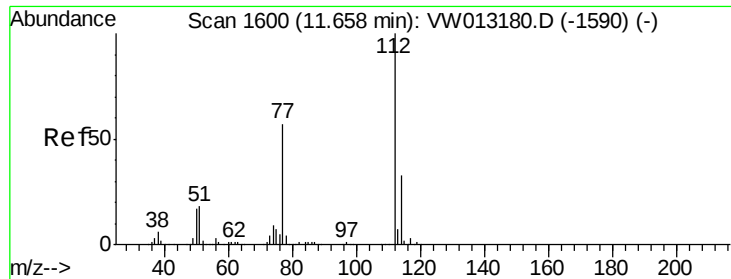
MMDadoda
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#64
Tetrachloroethene
Concen: 20.550 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW013223.D
Acq: 23 Sep 2019 11:44

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	73472		
166	125.0		101.2	151.8
129	91.6		68.8	103.2
131	87.7		65.2	97.8





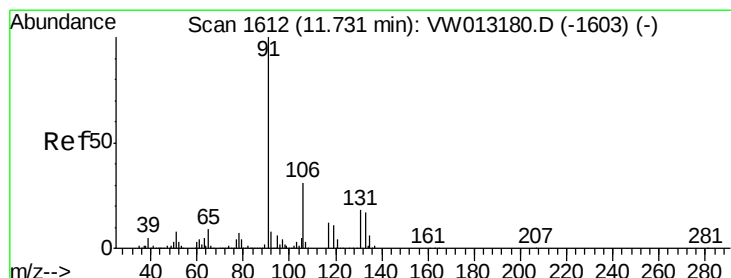
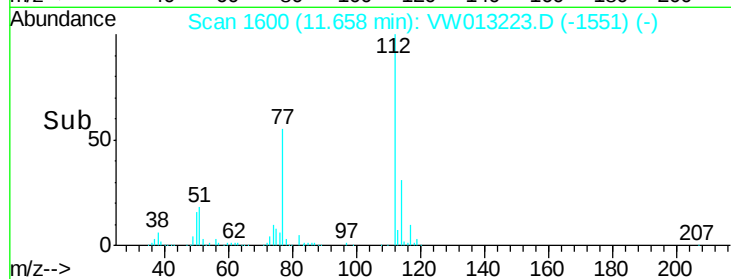
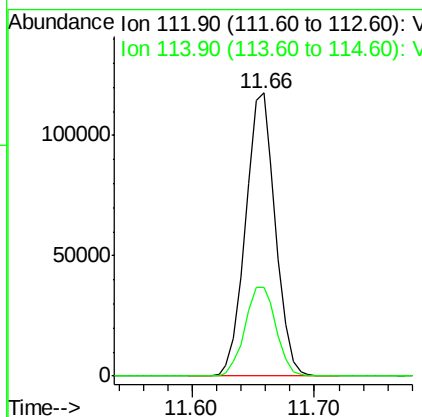
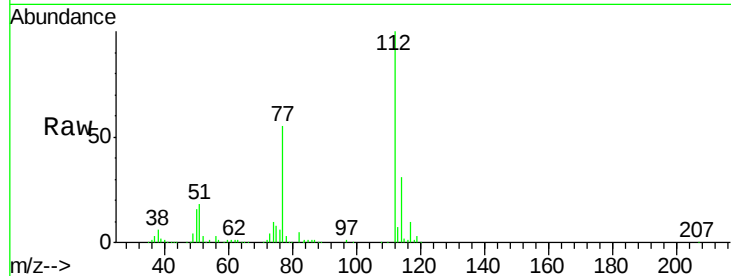
#65
Chlorobenzene
Concen: 20.198 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW013223.D
Acq: 23 Sep 2019 11:44

Instrument :
MSVOA_W
ClientSampleId :
VW0923SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.5	26.5	39.7

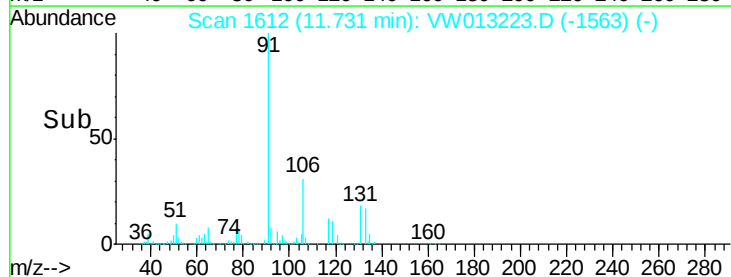
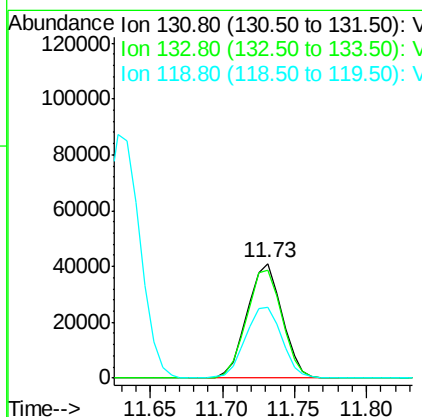
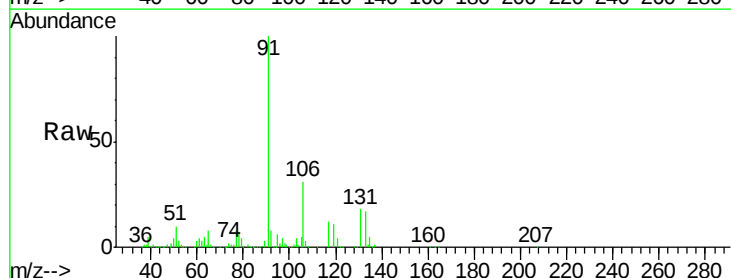
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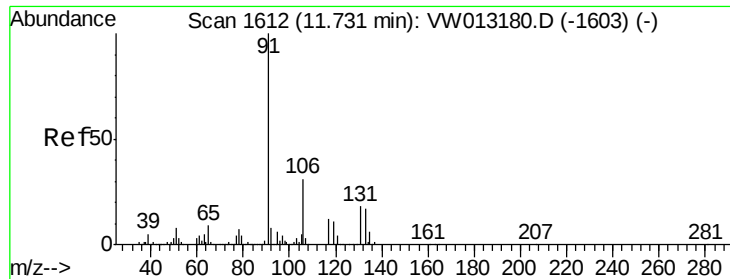
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.527 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW013223.D
Acq: 23 Sep 2019 11:44

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.7	47.5	142.6
119	64.4	32.5	97.5





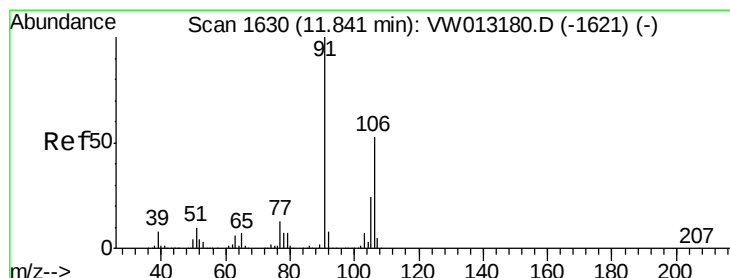
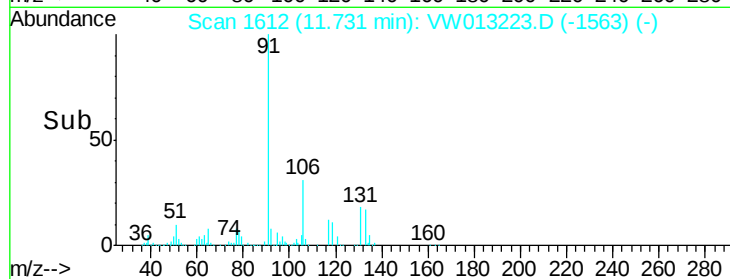
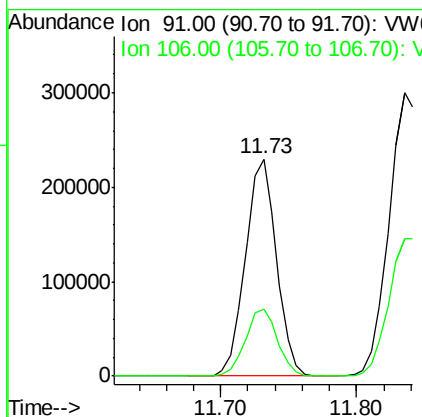
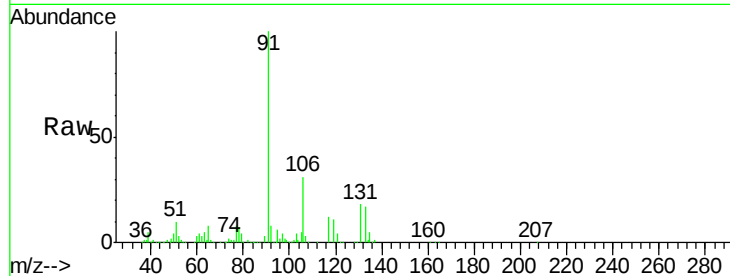
#67
Ethyl Benzene
Concen: 20.644 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW013223.D
Acq: 23 Sep 2019 11:44

Instrument :
MSVOA_W
ClientSampleId :
VW0923SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
106	31.1	24.9	37.3

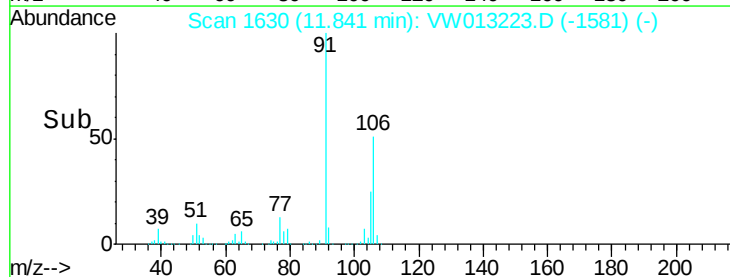
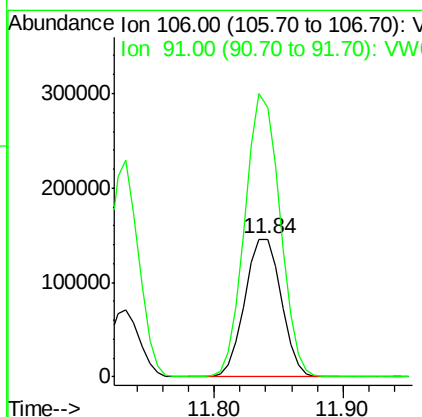
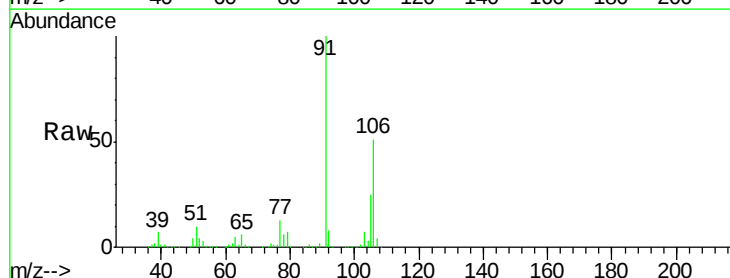
Manual Integrations
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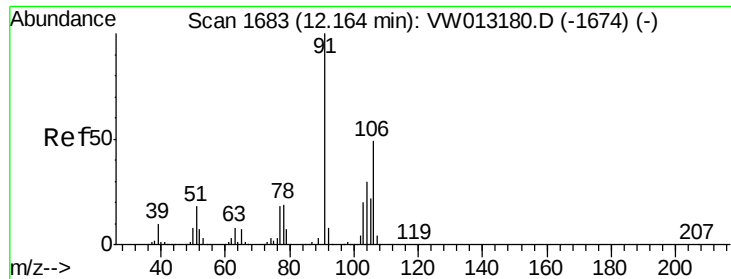
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#68
m/p-Xylenes
Concen: 42.105 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW013223.D
Acq: 23 Sep 2019 11:44

Tgt Ion	Ratio	Lower	Upper
106	100		
91	197.5	157.9	236.9





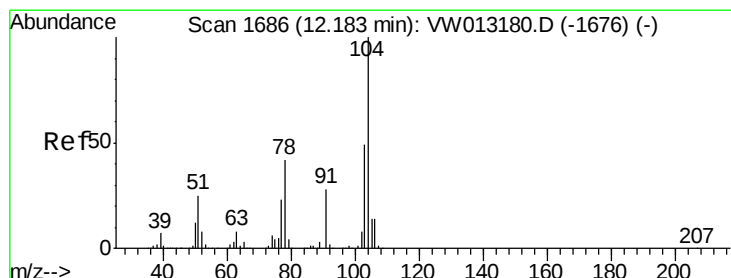
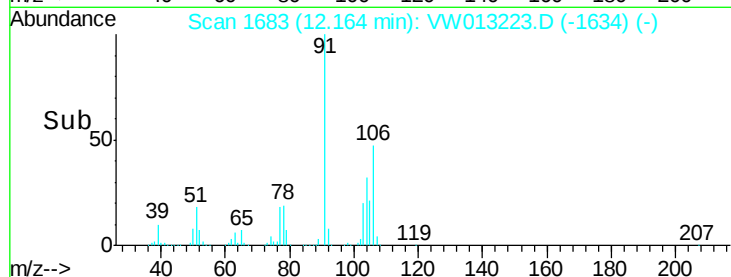
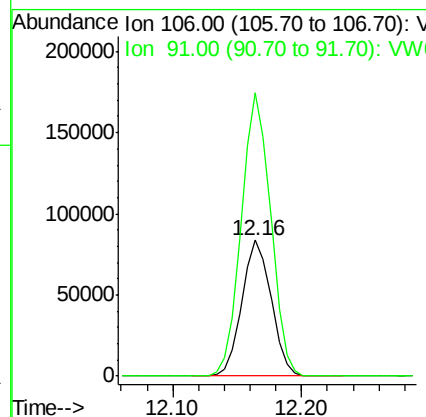
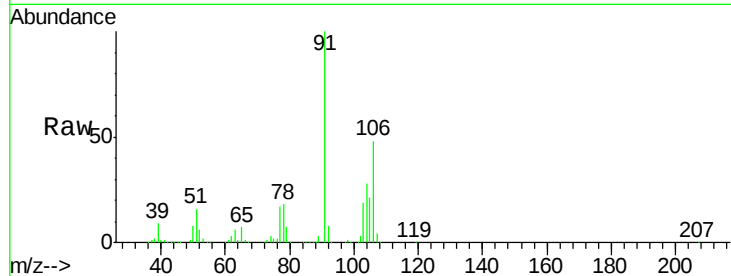
#69
o-Xylene
Concen: 20.876 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW013223.D
Acq: 23 Sep 2019 11:44

Instrument :
MSVOA_W
ClientSampleId :
VW0923SBS01

Tot Ion	Ratio	Lower	Upper
106	100		
91	208.6	106.5	319.5

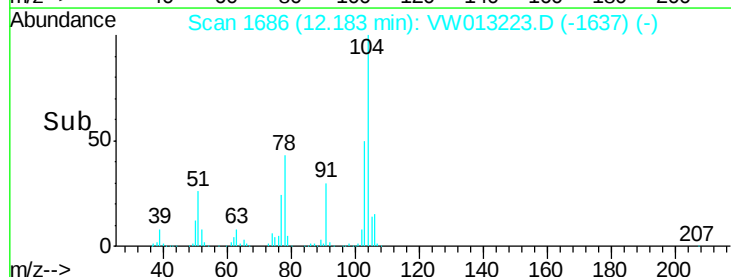
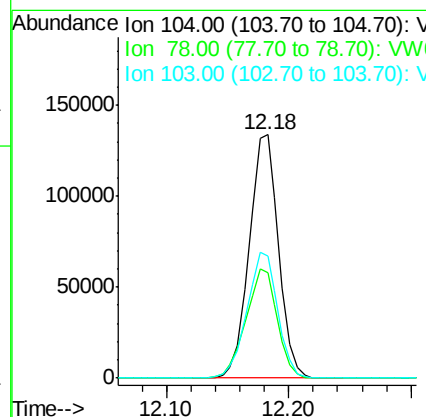
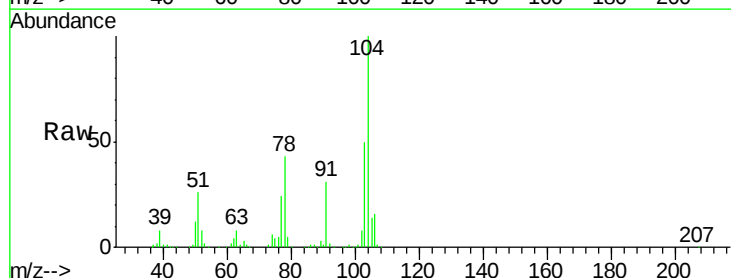
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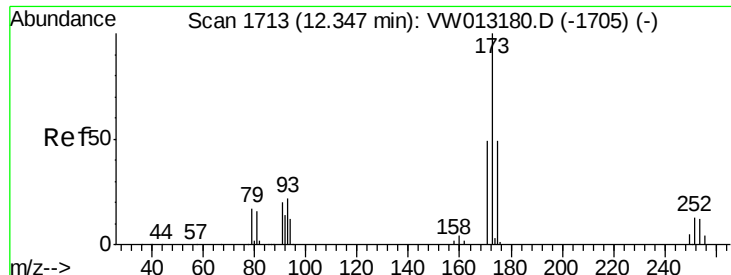
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#70
Styrene
Concen: 20.529 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW013223.D
Acq: 23 Sep 2019 11:44

Tgt Ion	Ratio	Lower	Upper
104	100		
78	48.0	38.4	57.6
103	54.6	43.3	64.9





#71

Bromoform

Concen: 19.784 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW013223.D

Acq: 23 Sep 2019 11:44

Instrument :

MSVOA_W

ClientSampleId :

VW0923SBS01

Tot Ion:173 Resp: 35136

Ion Ratio Lower Upper

173 100

175 50.5 24.3 73.0

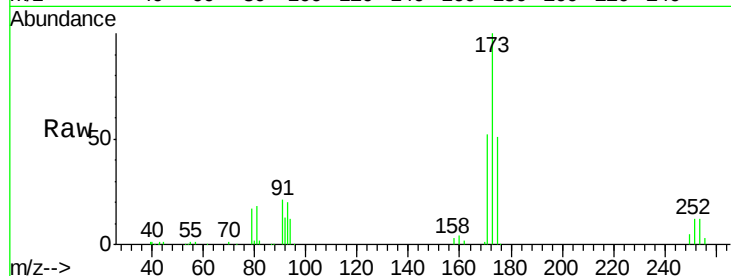
254 0.0 0.1 0.1#

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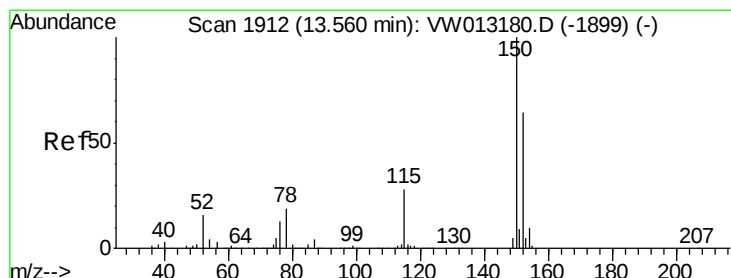
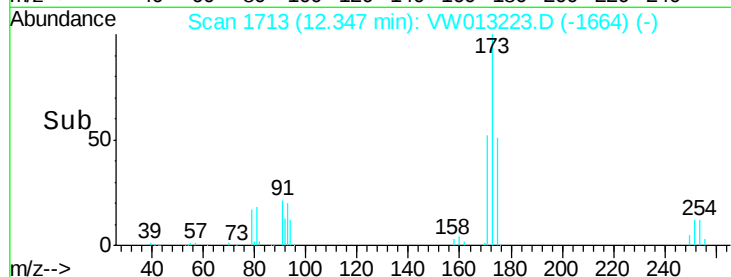
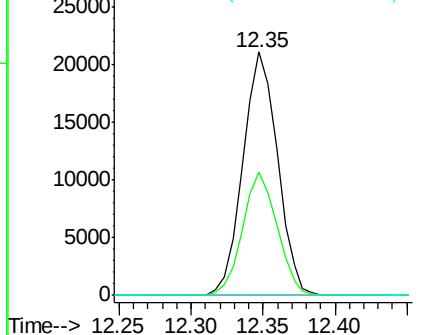
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.55 min Scan# 1911

Delta R.T. -0.01 min

Lab File: VW013223.D

Acq: 23 Sep 2019 11:44

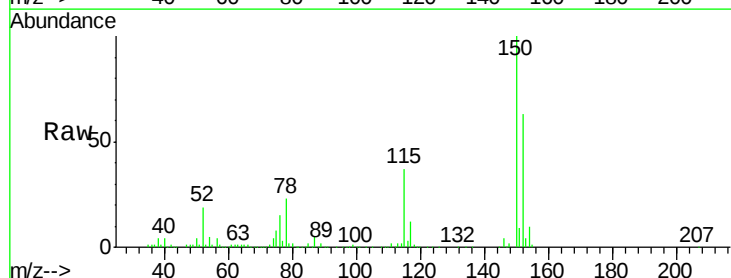
Tgt Ion:152 Resp: 241246

Ion Ratio Lower Upper

152 100

115 55.1 27.3 81.9

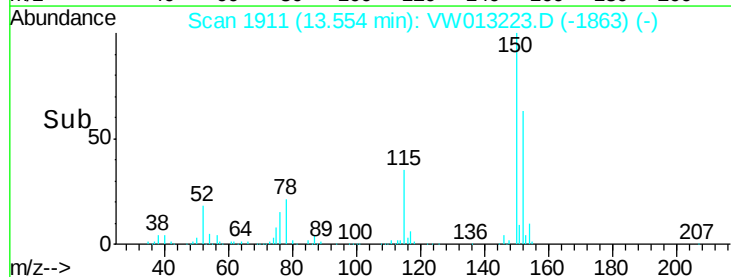
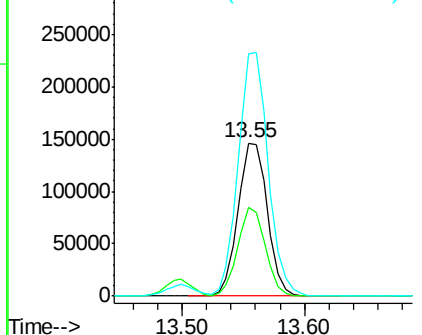
150 163.4 0.0 349.0

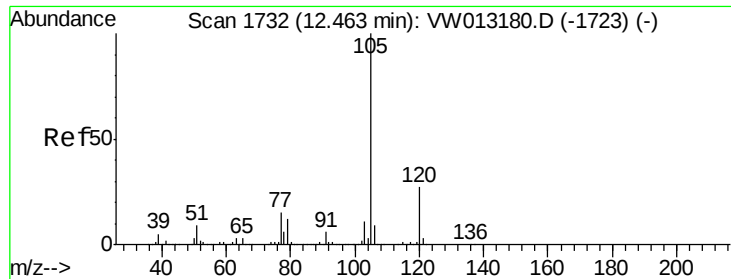


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.434 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW013223.D

Acq: 23 Sep 2019 11:44

Instrument :

MSVOA_W

ClientSampleId :

VW0923SBS01

Tot Ion:105 Resp: 364148

Ion Ratio Lower Upper

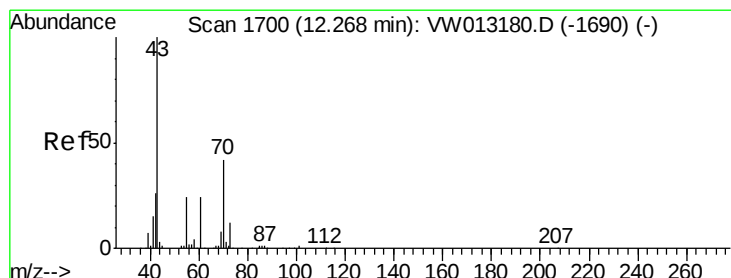
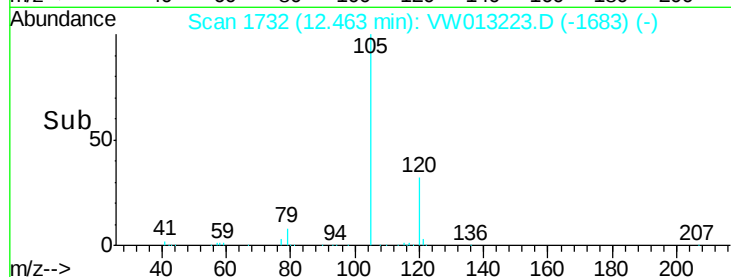
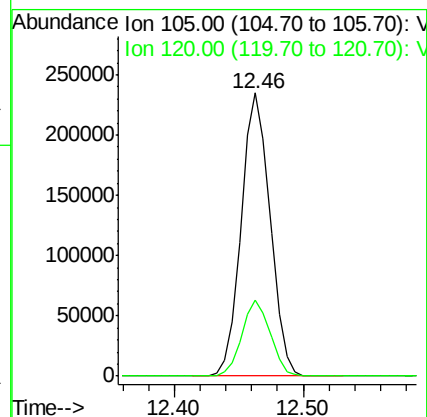
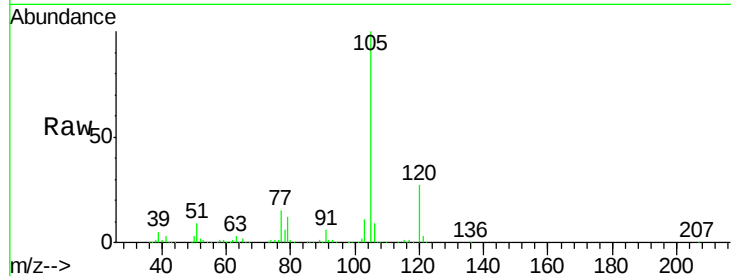
105 100

120 26.3 13.4 40.1

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#74

N-ethyl acetate

Concen: 19.932 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.01 min

Lab File: VW013223.D

Acq: 23 Sep 2019 11:44

Tgt Ion: 43 Resp: 78819

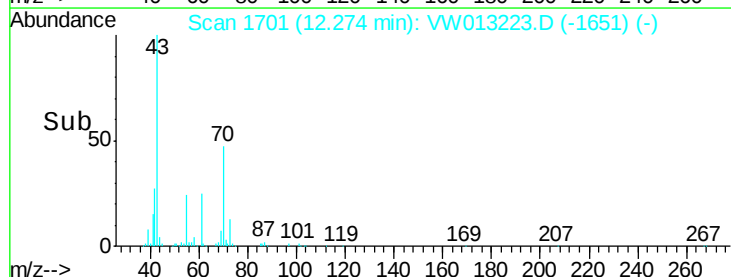
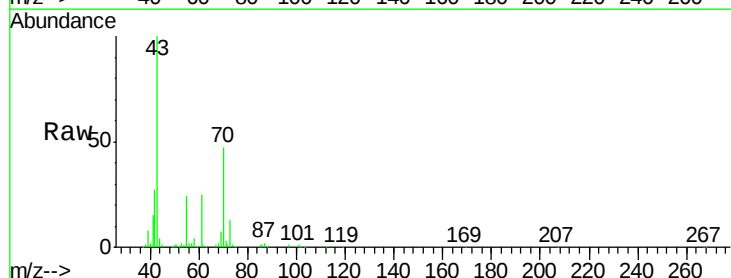
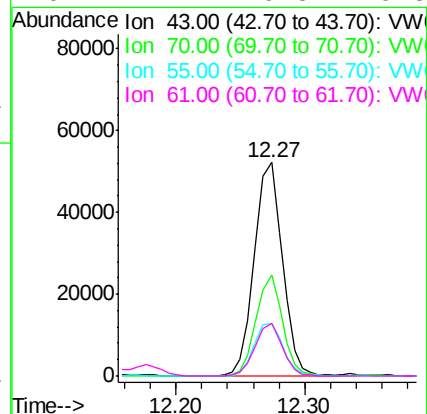
Ion Ratio Lower Upper

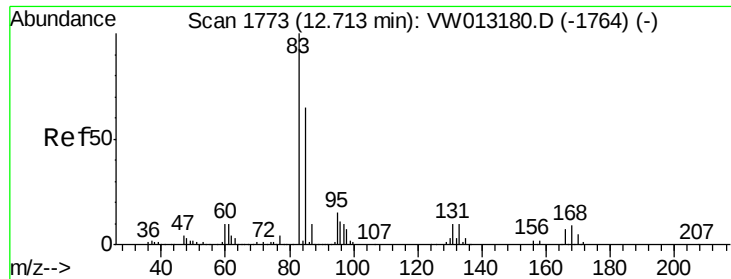
43 100

70 44.3 35.1 52.7

55 25.6 19.9 29.9

61 24.2 19.5 29.3





#75

1,1,2,2-Tetrachloroethane

Concen: 20.088 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW013223.D

Acq: 23 Sep 2019 11:44

Instrument :

MSVOA_W

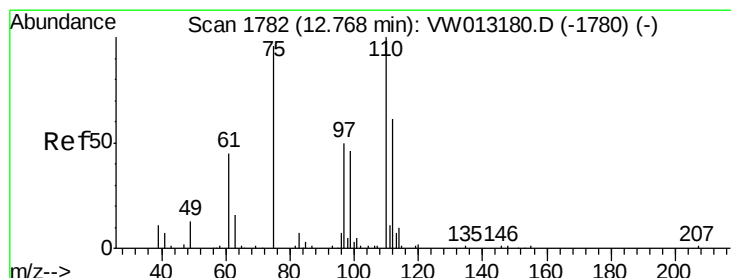
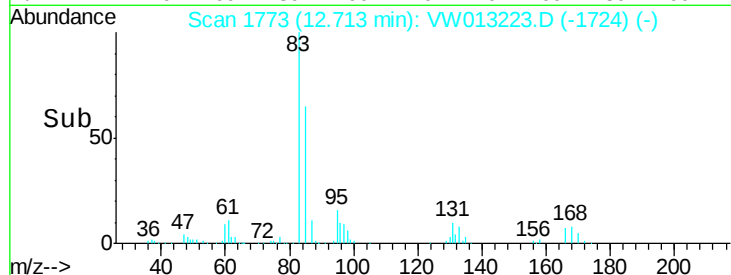
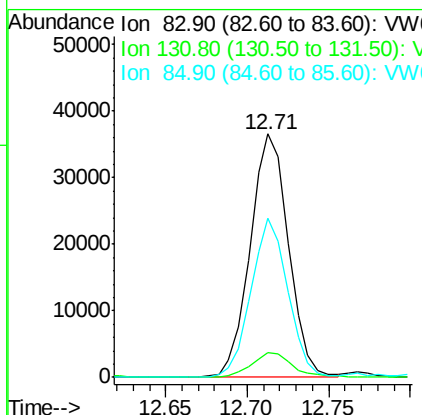
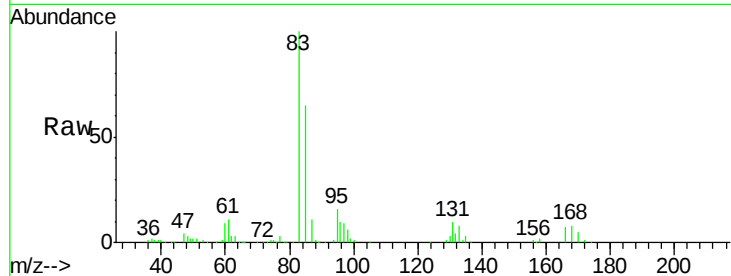
ClientSampleId :

VW0923SBS01

Tot Ion:	83	Resp:	59870
Ion Ratio	Lower	Upper	
83	100		
131	10.7	5.4	16.2
85	63.0	31.9	95.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 18.449 ug/l m

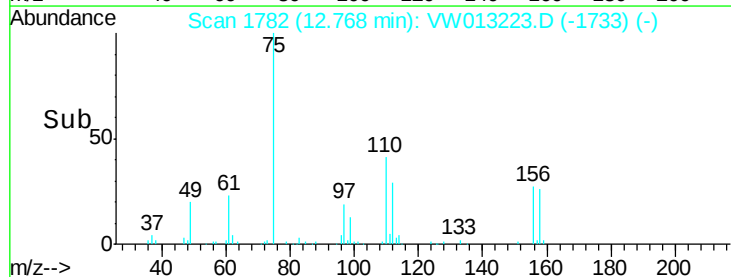
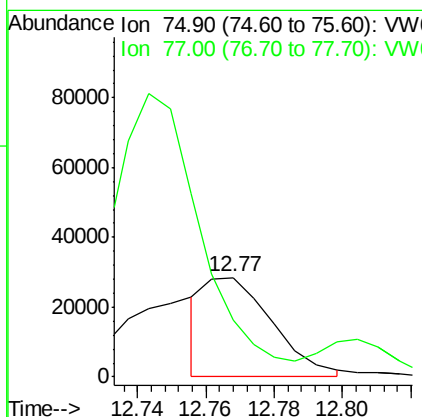
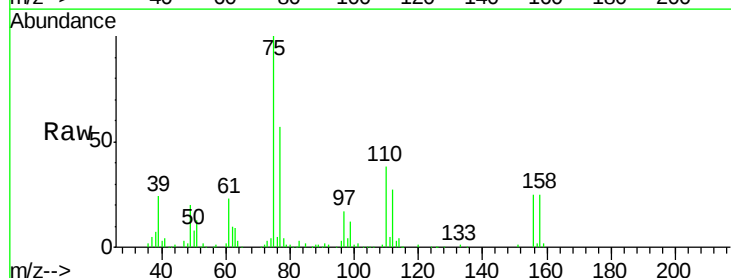
RT: 12.77 min Scan# 1782

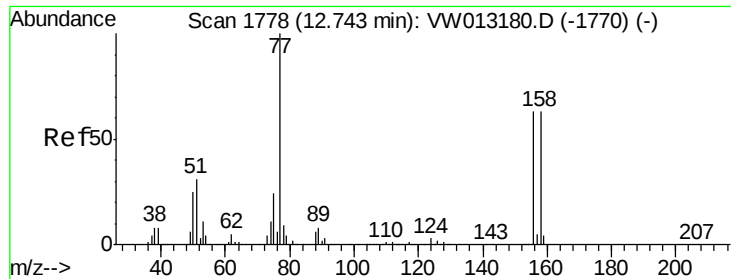
Delta R.T. -0.00 min

Lab File: VW013223.D

Acq: 23 Sep 2019 11:44

Tgt Ion:	75	Resp:	39305
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





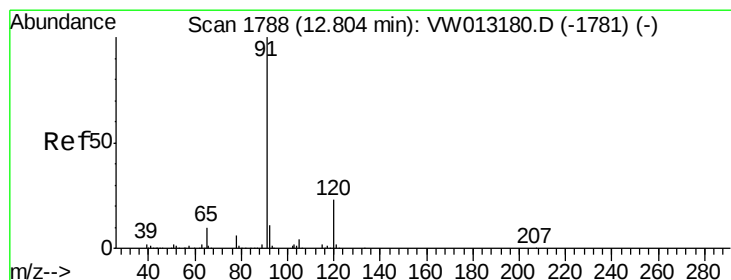
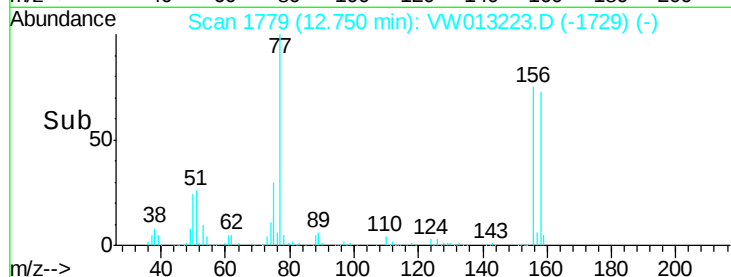
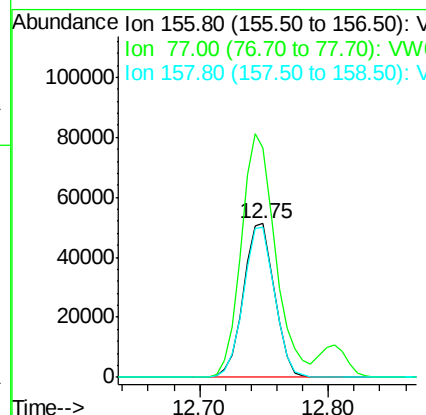
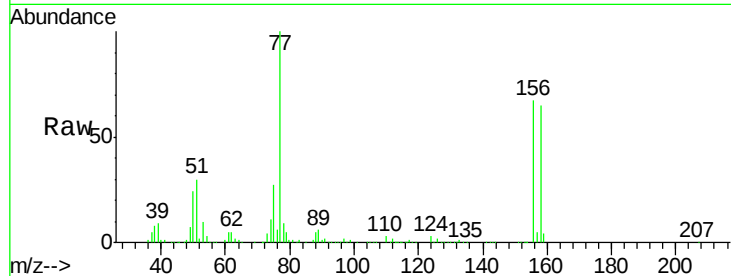
#77
Bromobenzene
Concen: 20.124 ug/l
RT: 12.75 min Scan# 1779
Delta R.T. 0.01 min
Lab File: VW013223.D
Acq: 23 Sep 2019 11:44

Instrument :
MSVOA_W
ClientSampled :
VW0923SBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	175.1	85.7	257.1
158	98.2	48.1	144.4

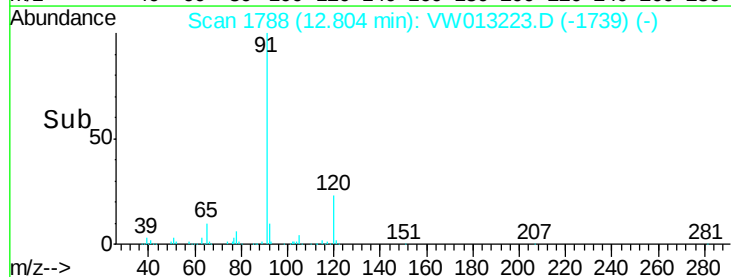
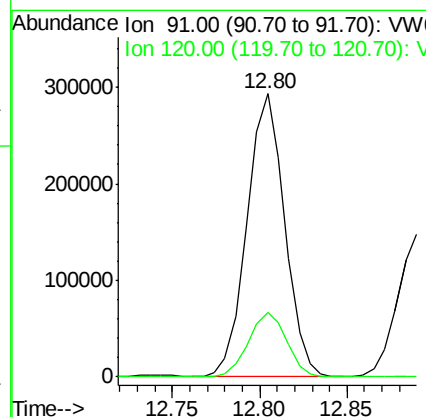
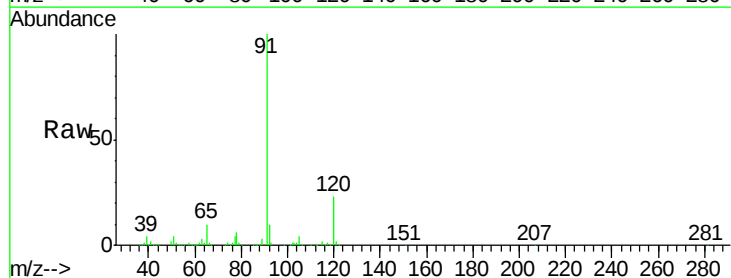
Manual Integrations
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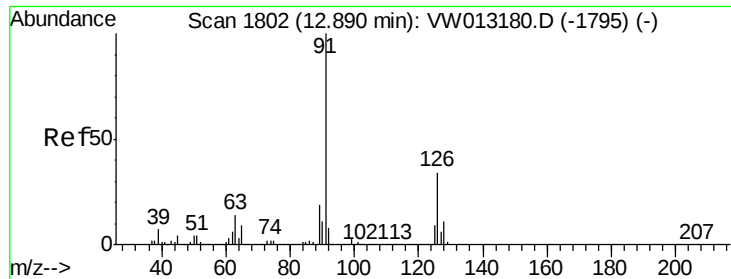
MMDadoda
9/25/2019 12:35:38 AM



#78
n-propylbenzene
Concen: 20.952 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. -0.00 min
Lab File: VW013223.D
Acq: 23 Sep 2019 11:44

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.2	11.7	35.1





#79

2-Chlorotoluene

Concen: 20.553 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW013223.D

Acq: 23 Sep 2019 11:44

Instrument :

MSVOA_W

ClientSampleId :

VW0923SBS01

Tot Ion: 91 Resp: 240197

Ion Ratio Lower Upper

91 100

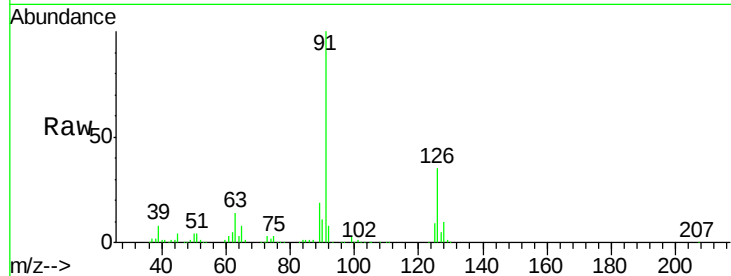
126 34.7 17.2 51.5

Manual Integrations

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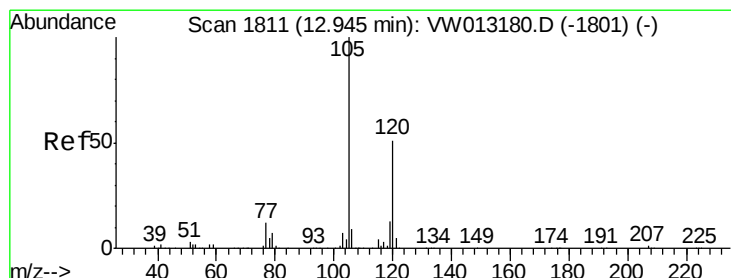
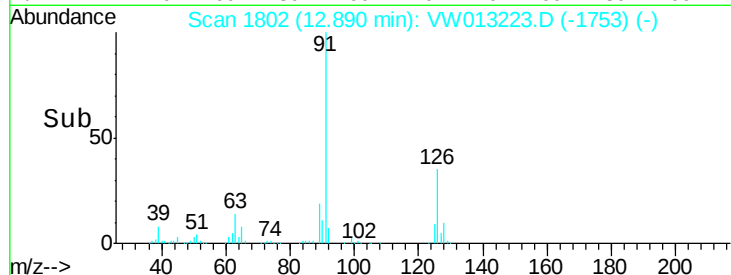
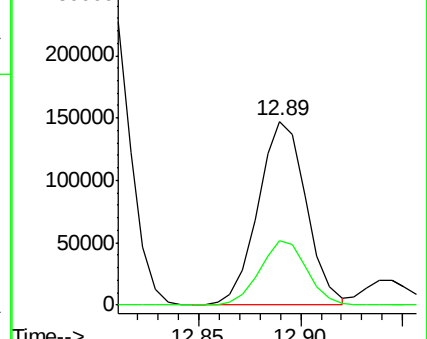
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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 20.636 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW013223.D

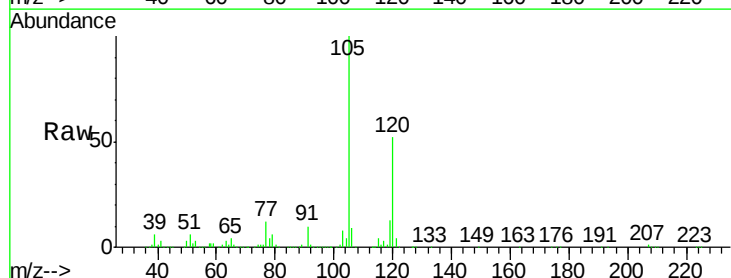
Acq: 23 Sep 2019 11:44

Tgt Ion:105 Resp: 309143

Ion Ratio Lower Upper

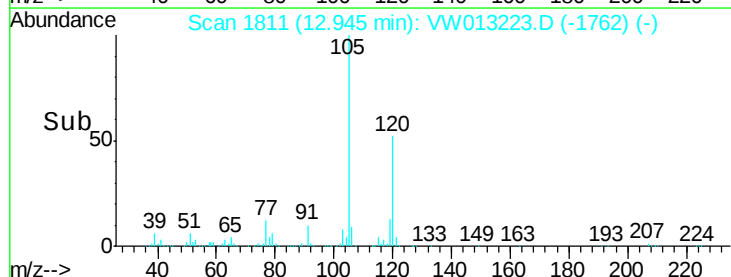
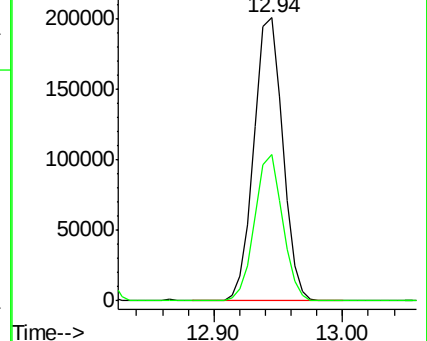
105 100

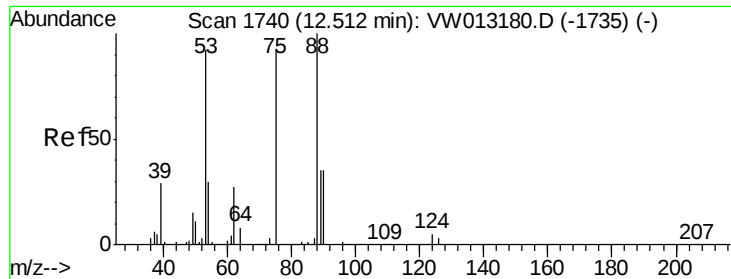
120 50.0 24.9 74.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 20.644 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW013223.D

Acq: 23 Sep 2019 11:44

Instrument :

MSVOA_W

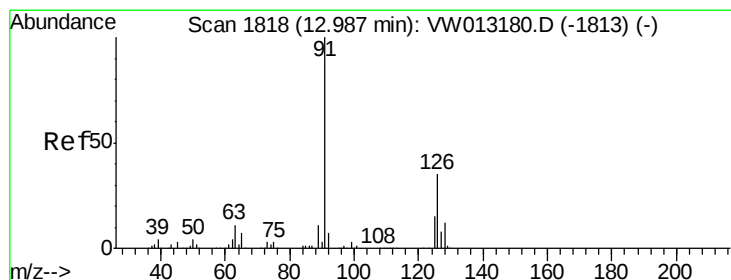
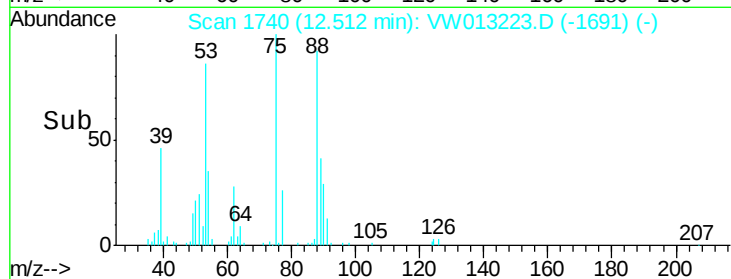
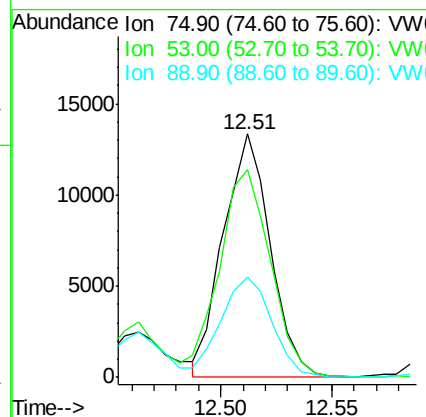
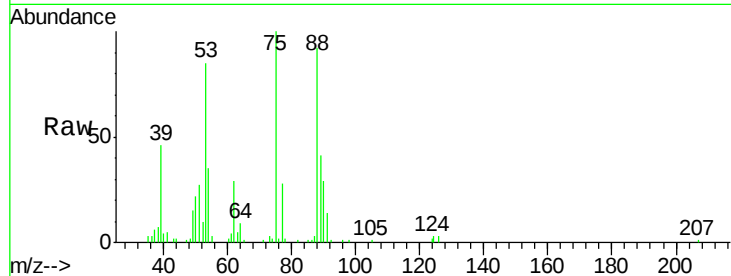
ClientSampleId :

VW0923SBS01

Tot Ion:	75	Resp:	19601
Ion Ratio	Lower	Upper	
75	100		
53	93.6	76.6	114.8
89	44.6	33.5	50.3

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#82

4-Chlorotoluene

Concen: 20.488 ug/l

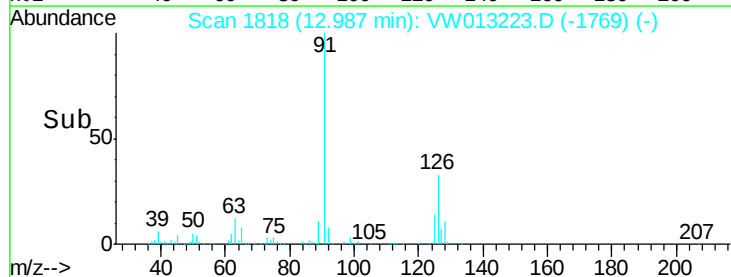
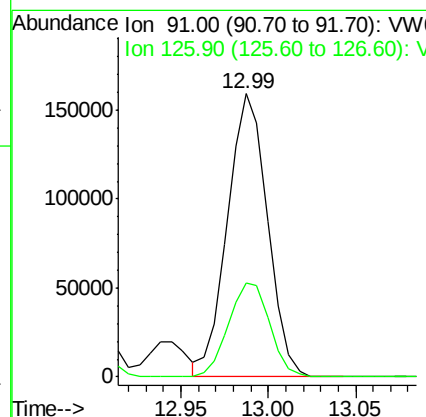
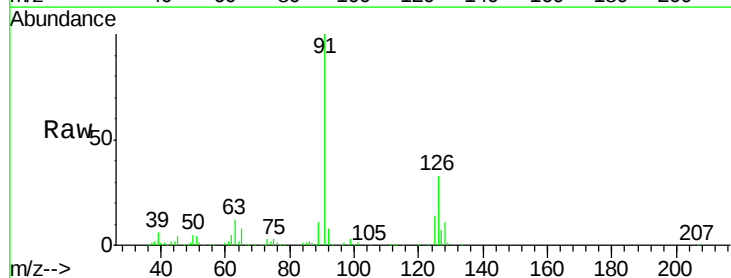
RT: 12.99 min Scan# 1818

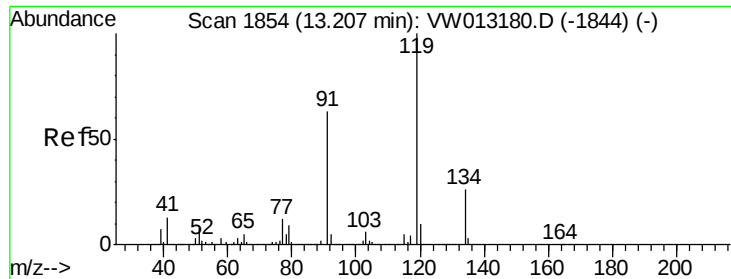
Delta R.T. -0.00 min

Lab File: VW013223.D

Acq: 23 Sep 2019 11:44

Tgt Ion:	91	Resp:	252493
Ion Ratio	Lower	Upper	
91	100		
126	34.2	17.3	51.7





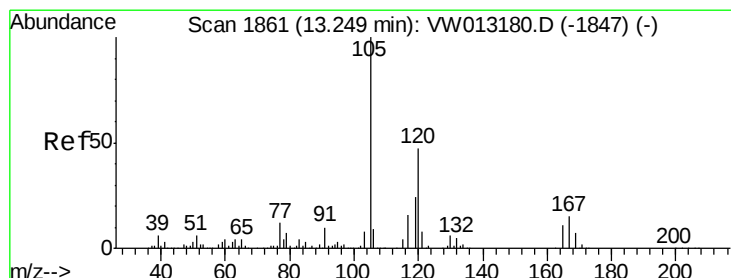
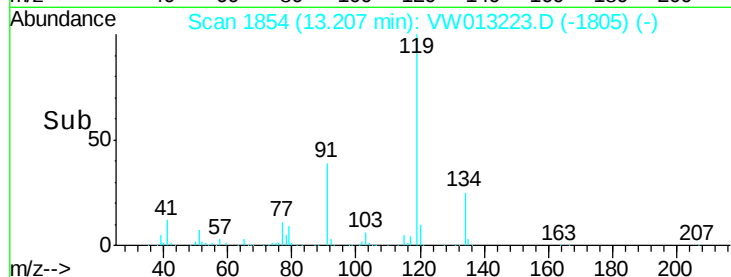
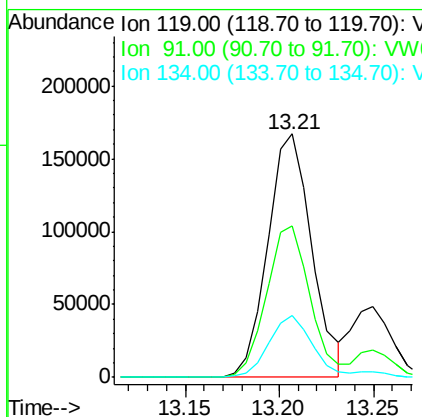
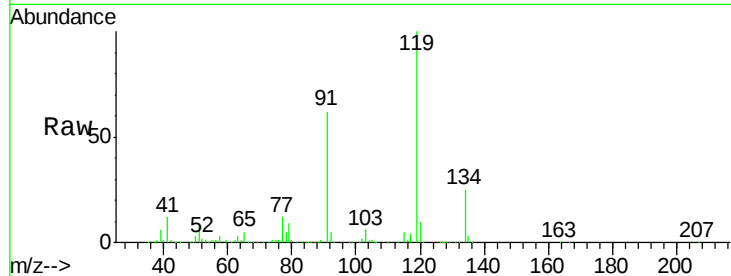
#83
tert-Butylbenzene
Concen: 20.644 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW013223.D
Acq: 23 Sep 2019 11:44

Instrument :
MSVOA_W
ClientSampleId :
VW0923SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	61.1	30.7	92.1
134	25.0	12.6	37.6

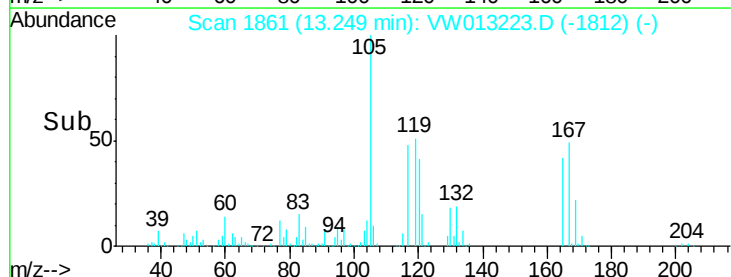
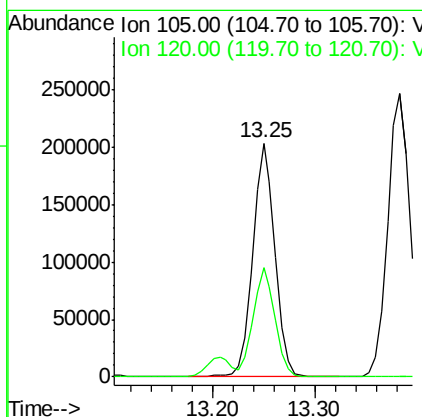
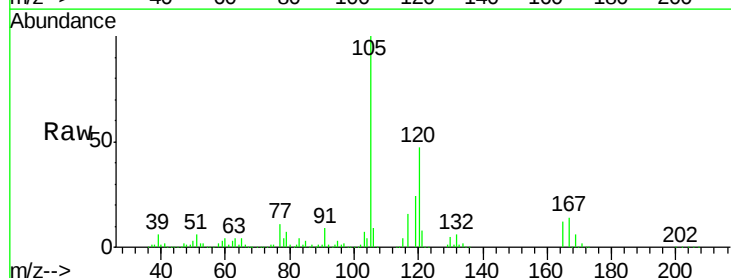
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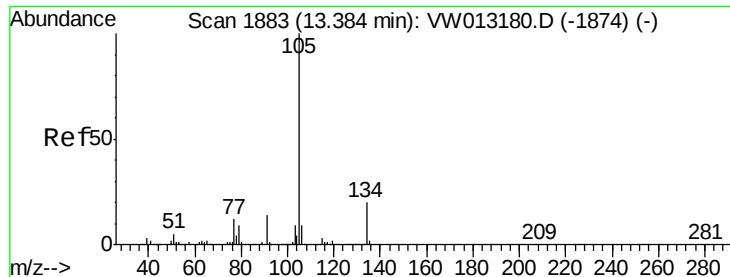
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#84
1,2,4-Trimethylbenzene
Concen: 20.630 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW013223.D
Acq: 23 Sep 2019 11:44

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.0	23.4	70.3





#85

sec-Butylbenzene

Concen: 20.850 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW013223.D

Acq: 23 Sep 2019 11:44

Instrument :

MSVOA_W

ClientSampleId :

VW0923SBS01

Tot Ion:105 Resp: 377955

Ion Ratio Lower Upper

105 100

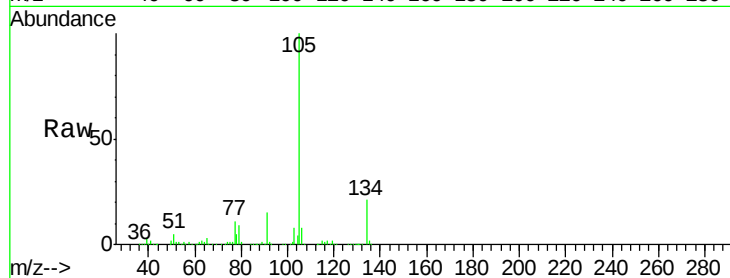
134 20.2 10.3 30.8

Manual Integrations

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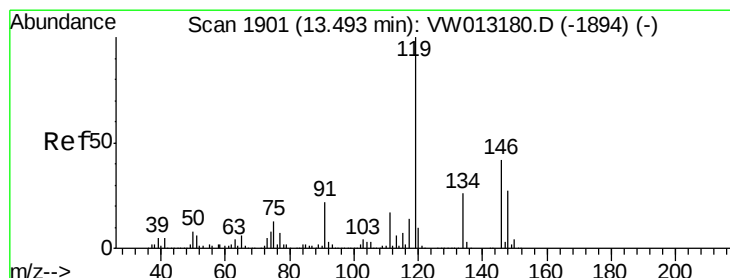
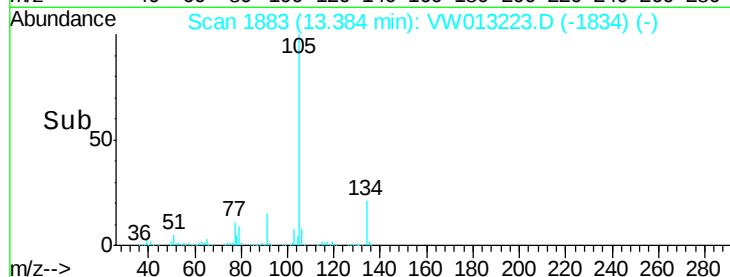
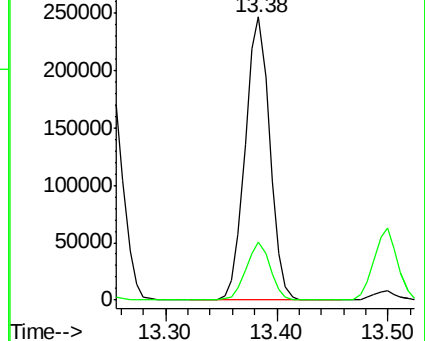
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.828 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.01 min

Lab File: VW013223.D

Acq: 23 Sep 2019 11:44

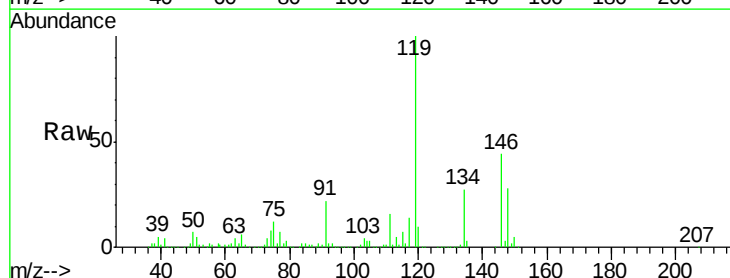
Tgt Ion:119 Resp: 350185

Ion Ratio Lower Upper

119 100

134 26.4 13.3 39.8

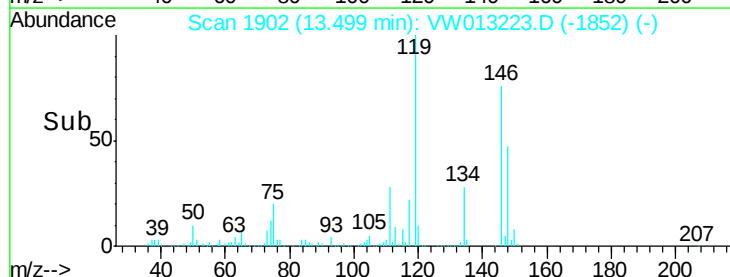
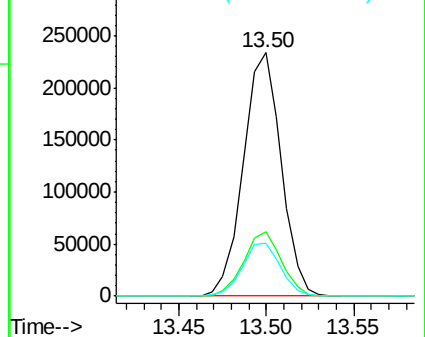
91 22.2 10.8 32.4

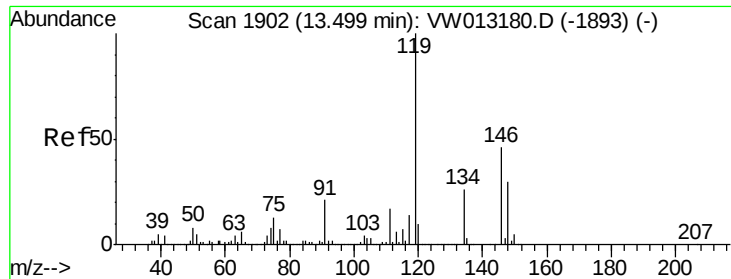


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





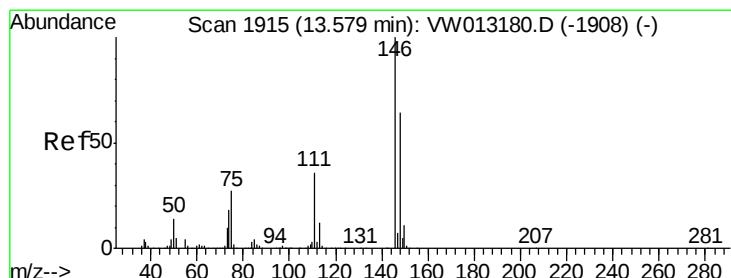
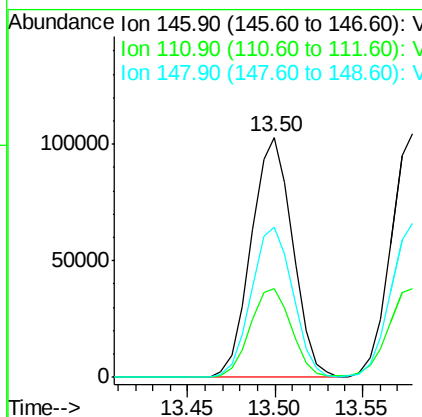
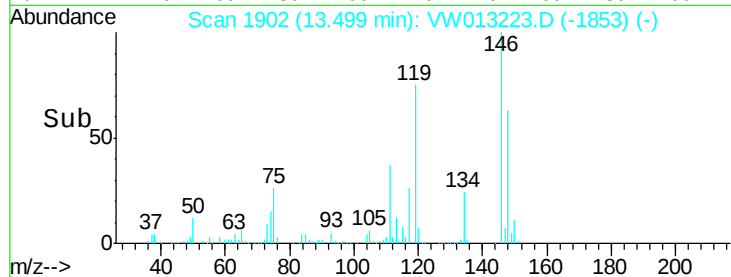
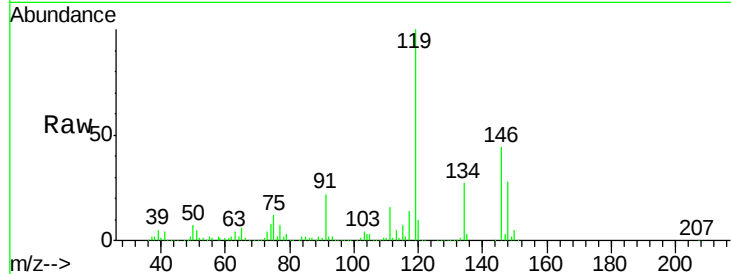
#87
 1,3-Dichlorobenzene
 Concen: 20.773 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW013223.D
 Acq: 23 Sep 2019 11:44

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0923SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	168835		
111	37.3	18.9	56.9	
148	62.9	31.9	95.5	

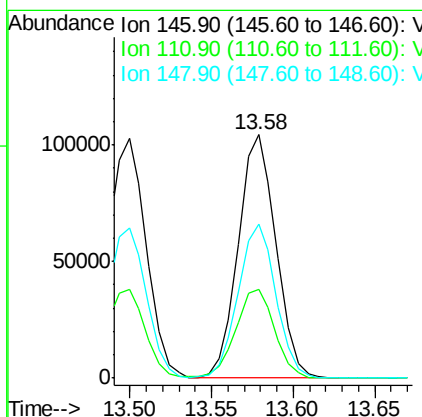
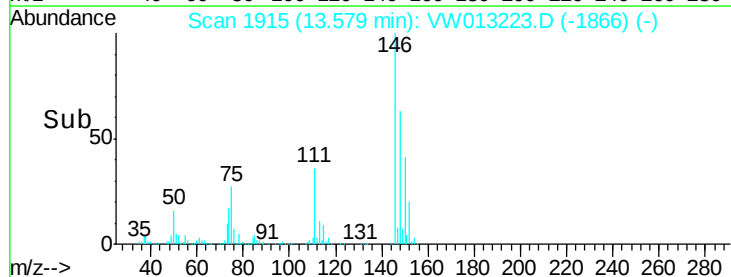
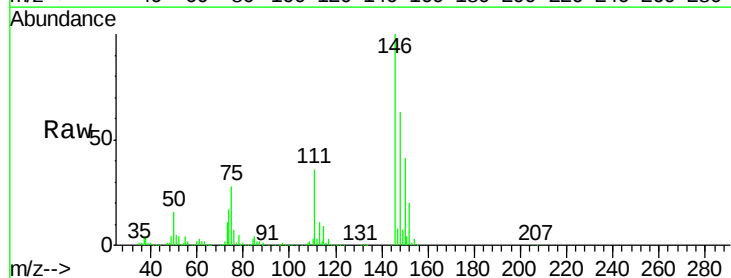
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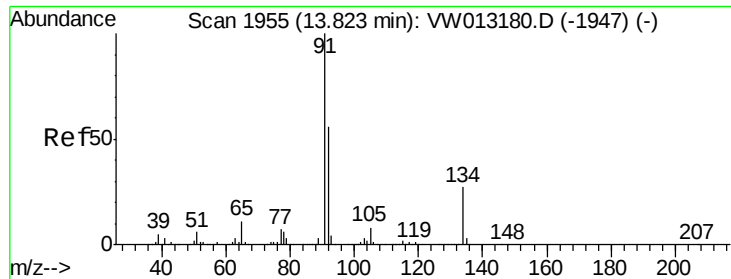
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#88
 1,4-Dichlorobenzene
 Concen: 21.033 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW013223.D
 Acq: 23 Sep 2019 11:44

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	167660		
111	37.9	18.4	55.0	
148	63.6	32.1	96.3	





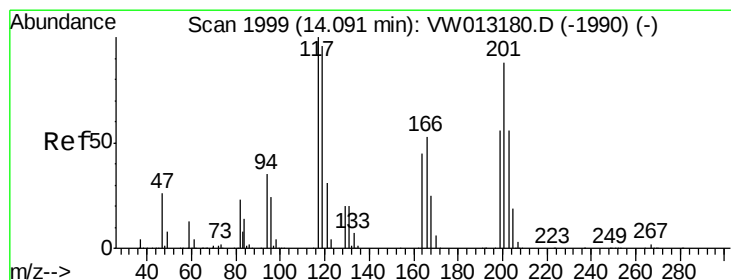
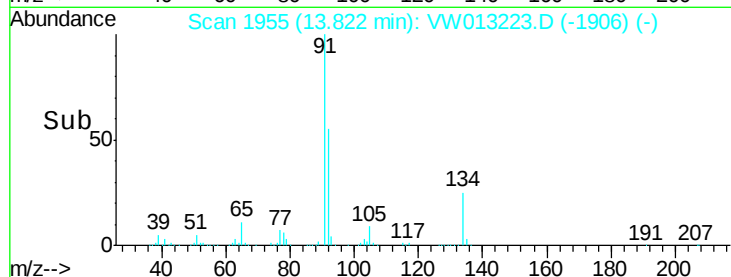
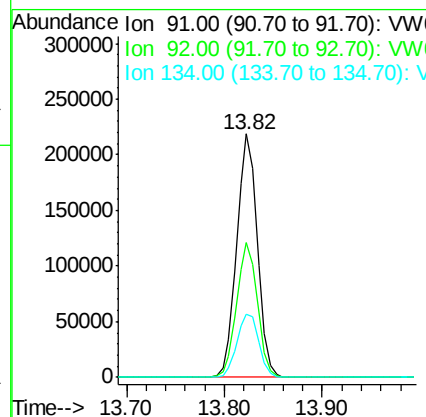
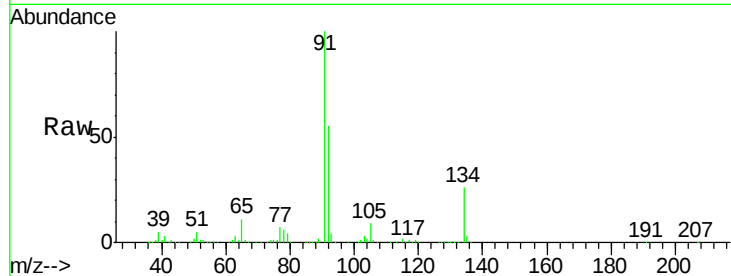
#89
n-Butylbenzene
Concen: 20.856 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW013223.D
Acq: 23 Sep 2019 11:44

Instrument :
MSVOA_W
ClientSampleId :
VW0923SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	55.3	27.6	82.8	
134	27.5	13.7	41.1	

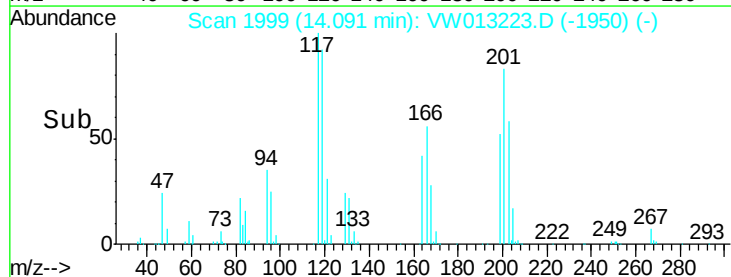
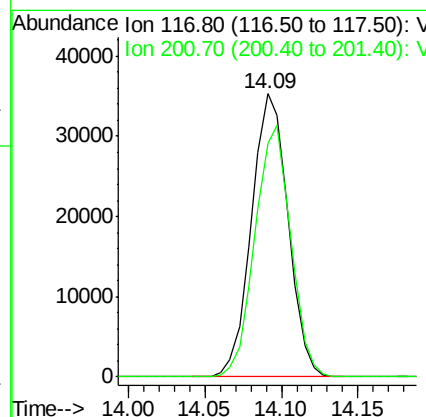
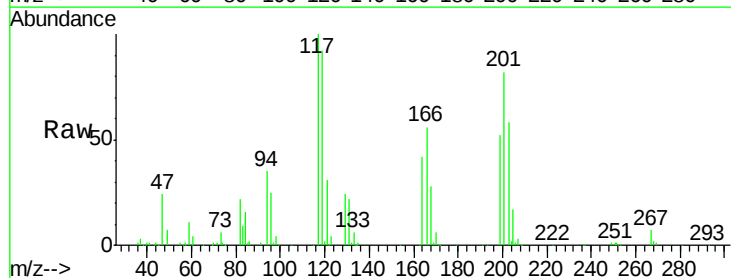
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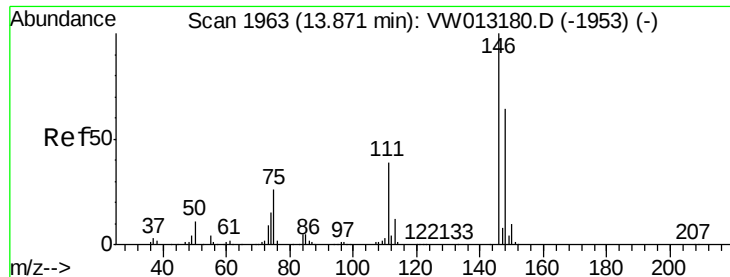
MMDadoda
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#90
Hexachloroethane
Concen: 20.805 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. -0.00 min
Lab File: VW013223.D
Acq: 23 Sep 2019 11:44

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	87.0	44.5	133.5	





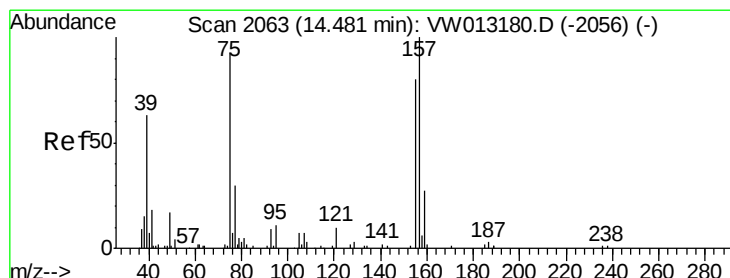
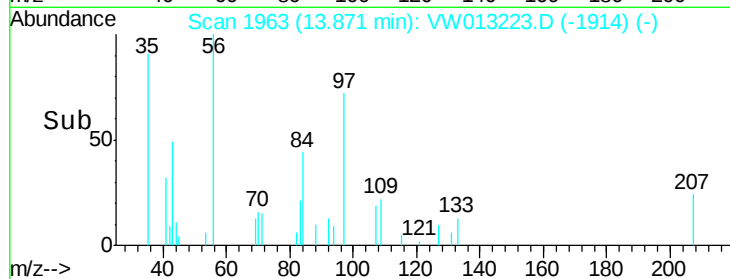
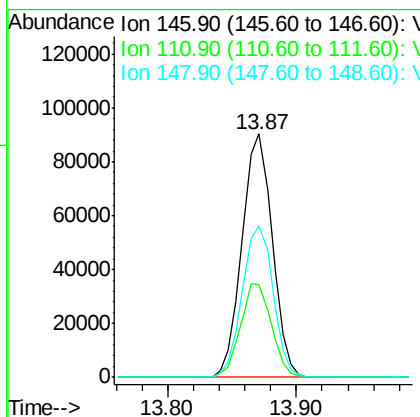
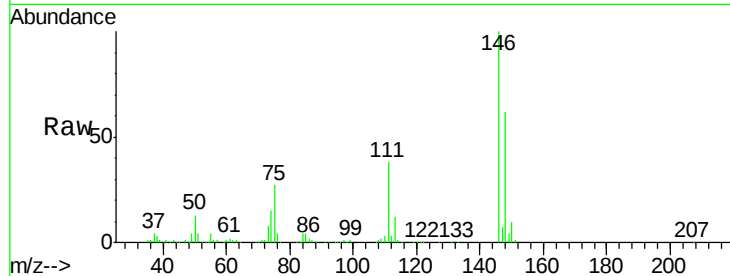
#91
 1,2-Dichlorobenzene
 Concen: 20.881 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW013223.D
 Acq: 23 Sep 2019 11:44

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0923SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	20.1	60.3
148	63.4	32.0	96.0

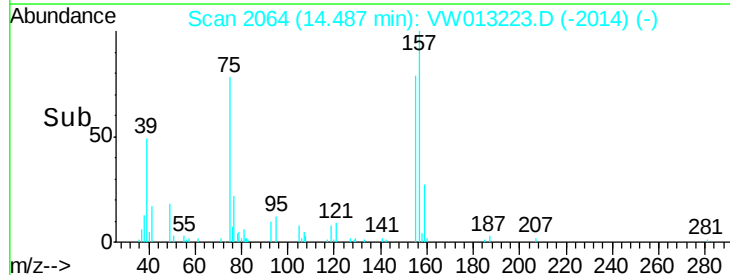
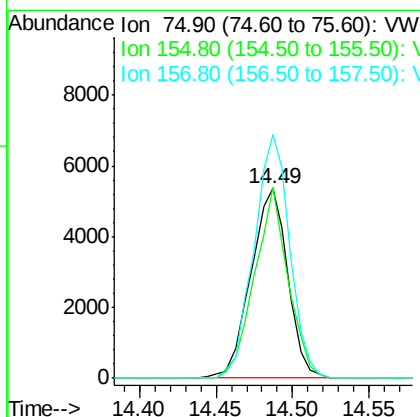
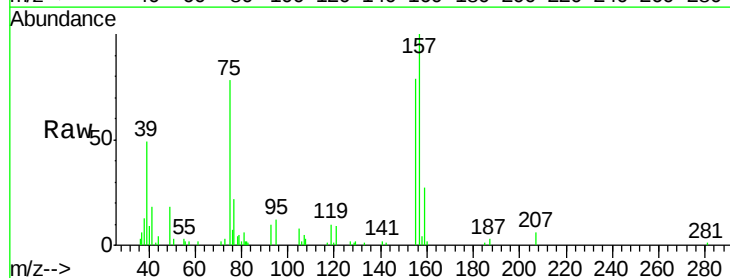
Manual Integrations
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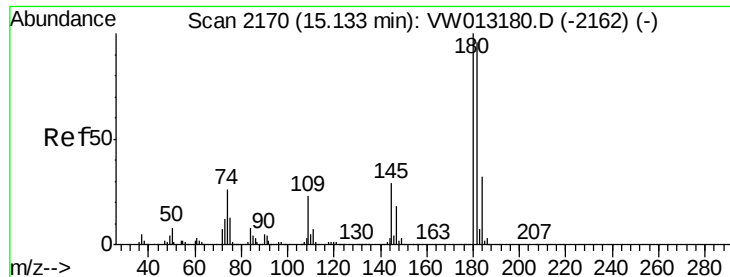
MMDadoda
 9/25/2019 12:35:38 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.631 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.01 min
 Lab File: VW013223.D
 Acq: 23 Sep 2019 11:44

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.0	46.1	138.3
157	124.8	60.4	181.2





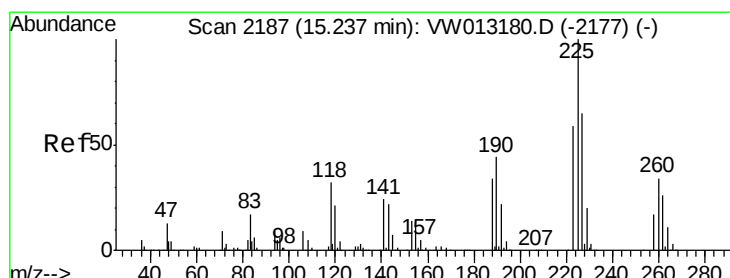
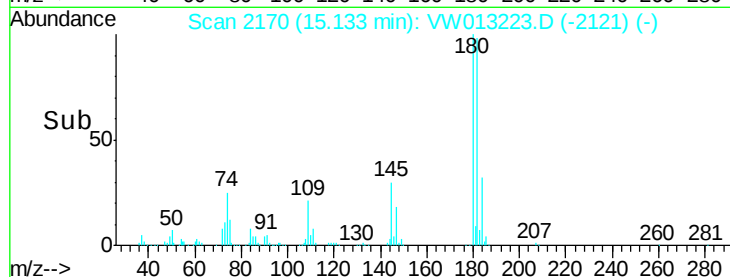
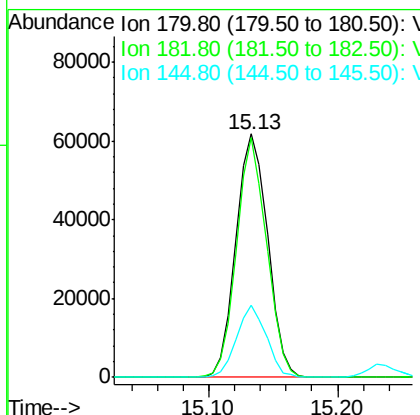
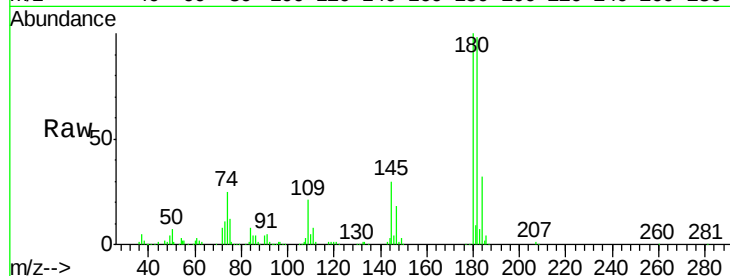
#93
 1,2,4-Trichlorobenzene
 Concen: 20.947 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW013223.D
 Acq: 23 Sep 2019 11:44

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0923SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	105545		
182	93.4	47.3	142.0	
145	27.9	14.2	42.8	

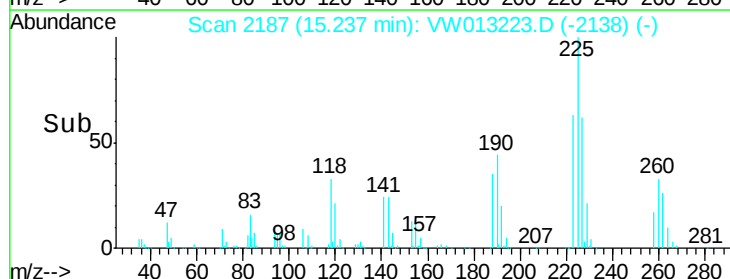
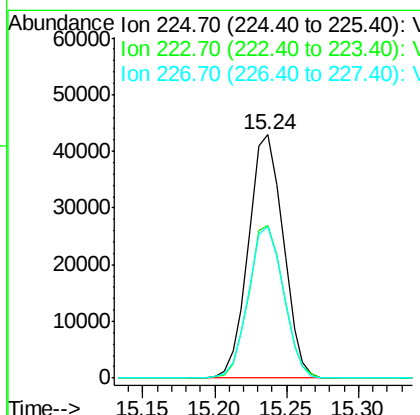
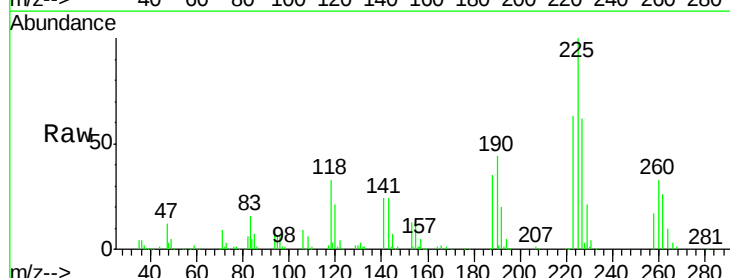
Manual Integrations
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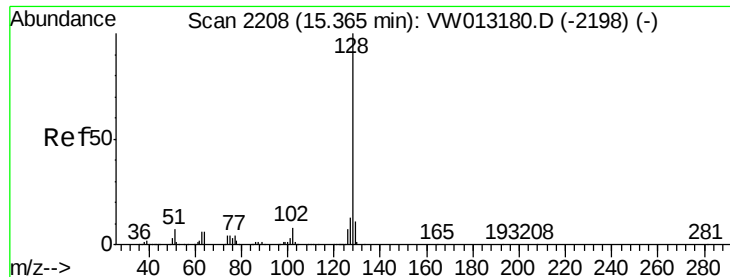
MMDadoda
 9/25/2019 12:35:38 AM



#94
 Hexachlorobutadiene
 Concen: 20.846 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW013223.D
 Acq: 23 Sep 2019 11:44

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	71859		
223	63.1	30.6	91.8	
227	62.7	31.9	95.9	





#95

Naphthalene

Concen: 20.151 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. -0.00 min

Lab File: VW013223.D

Acq: 23 Sep 2019 11:44

Instrument :

MSVOA_W

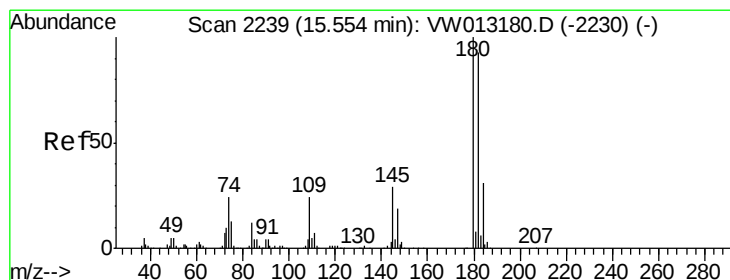
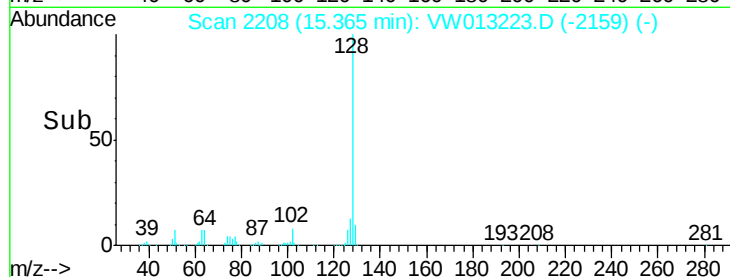
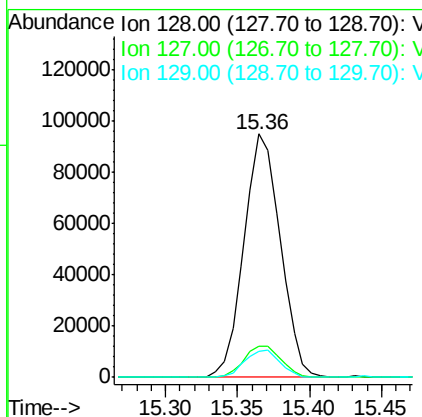
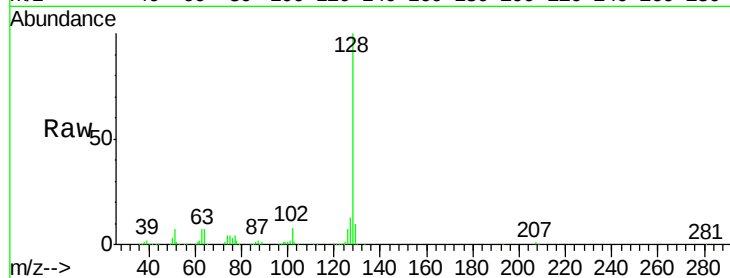
ClientSampleId :

VW0923SBS01

Tot Ion:	128	Resp:	166058
Ion Ratio	Lower	Upper	
128	100		
127	13.5	10.6	15.8
129	10.9	8.7	13.1

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 20.308 ug/l

RT: 15.55 min Scan# 2239

Delta R.T. -0.00 min

Lab File: VW013223.D

Acq: 23 Sep 2019 11:44

Tgt Ion:	180	Resp:	88413
Ion Ratio	Lower	Upper	
180	100		
182	96.8	47.9	143.7
145	31.2	15.0	45.0

