

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW093019\
 Data File : VW013328.D
 Acq On : 30 Sep 2019 13:08
 Operator : SY/VA
 Sample : VW0930SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0930SBS01

Manual Integrations
 APPROVED

MMDadoda
 10/1/2019 11:33:25 AM

Quant Time: Sep 30 18:00:11 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	341550	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	484719	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	420412	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	215416	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	142516	51.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.26%	
35) Dibromofluoromethane	7.88	113	145387	54.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.06%	
50) Toluene-d8	10.32	98	596939	53.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.00%	
62) 4-Bromofluorobenzene	12.62	95	205342	53.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.76%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	35772	18.157	ug/l	100
3) Chloromethane	2.21	50	47567	18.782	ug/l	98
4) Vinyl Chloride	2.36	62	61932	18.968	ug/l	99
5) Bromomethane	2.77	94	39788	19.229	ug/l	93
6) Chloroethane	2.92	64	35665	18.531	ug/l	93
7) Trichlorofluoromethane	3.25	101	32948	17.500	ug/l	98
8) Diethyl Ether	3.68	74	32195	20.020	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	59239	19.326	ug/l	98
10) Methyl Iodide	4.27	142	91847	19.327	ug/l	99
11) Tert butyl alcohol	5.18	59	26523	127.210	ug/l	97
12) 1,1-Dichloroethene	4.04	96	61352	19.329	ug/l	94
13) Acrolein	3.89	56	14117	87.975	ug/l	95
14) Allyl chloride	4.67	41	96142	19.032	ug/l	100
15) Acrylonitrile	5.37	53	69031	99.453	ug/l	99
16) Acetone	4.12	43	61541	97.898	ug/l	97
17) Carbon Disulfide	4.38	76	173689	18.932	ug/l	100
18) Methyl Acetate	4.67	43	33963	19.220	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	94838	19.495	ug/l	98
20) Methylene Chloride	4.92	84	73255	21.107	ug/l	95
21) trans-1,2-Dichloroethene	5.42	96	67150	19.574	ug/l	95
22) Diisopropyl ether	6.31	45	188927	19.668	ug/l	99
23) Vinyl Acetate	6.25	43	552373	96.928	ug/l	99
24) 1,1-Dichloroethane	6.22	63	113579	19.594	ug/l	100
25) 2-Butanone	7.17	43	91244	96.691	ug/l	98
26) 2,2-Dichloropropane	7.16	77	73815	19.233	ug/l	99
27) cis-1,2-Dichloroethene	7.16	96	72400	19.998	ug/l	99
28) Bromochloromethane	7.51	49	39228	17.633	ug/l #	98
29) Tetrahydrofuran	7.53	42	55524	95.943	ug/l	96
30) Chloroform	7.67	83	109512	19.297	ug/l	98
31) Cyclohexane	7.95	56	114208	18.901	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	90195	19.623	ug/l	99
36) 1,1-Dichloropropene	8.08	75	92714	19.748	ug/l	100
37) Ethyl Acetate	7.25	43	41570	20.834	ug/l	96
38) Carbon Tetrachloride	8.07	117	82625	19.632	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	117765	19.519	ug/l	97
40) Benzene	8.32	78	261071	19.936	ug/l	99
41) Methacrylonitrile	7.48	41	25249	21.202	ug/l	95
42) 1,2-Dichloroethane	8.40	62	69154	19.644	ug/l	100
43) Isopropyl Acetate	8.42	43	74995	19.611	ug/l	98
44) Trichloroethene	9.09	130	73176	19.916	ug/l	97
45) 1,2-Dichloropropane	9.37	63	64429	20.152	ug/l	100
46) Dibromomethane	9.46	93	31486	20.285	ug/l	97
47) Bromodichloromethane	9.65	83	79185	20.049	ug/l	99
48) Methyl methacrylate	9.43	41	37328	20.758	ug/l	97
49) 1,4-Dioxane	9.45	88	10104	433.658	ug/l #	96
51) 4-Methyl-2-Pentanone	10.21	43	189854	99.029	ug/l	99
52) Toluene	10.38	92	169255	20.167	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	79897	19.690	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	99208	20.108	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	45693	19.695	ug/l	96
56) Ethyl methacrylate	10.65	69	61427	20.231	ug/l	98
57) 1,3-Dichloropropane	10.93	76	79943	19.746	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.92	63	144724	102.960	ug/l	98
59) 2-Hexanone	10.97	43	130317	98.800	ug/l	100
60) Dibromochloromethane	11.13	129	53229	20.206	ug/l	99
61) 1,2-Dibromoethane	11.24	107	44212	20.043	ug/l	96
64) Tetrachloroethene	10.86	164	64542	20.234	ug/l	97
65) Chlorobenzene	11.66	112	176687	20.126	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.73	131	63121	21.046	ug/l	97
67) Ethyl Benzene	11.73	91	321170	20.191	ug/l	98
68) m/p-Xylenes	11.84	106	244684	40.367	ug/l	99
69) o-Xylene	12.16	106	114192	20.263	ug/l	98
70) Styrene	12.18	104	198513	20.518	ug/l	99
71) Bromoform	12.35	173	31671	19.988	ug/l #	96
73) Isopropylbenzene	12.46	105	318086	19.989	ug/l	99
74) N-amyl acetate	12.27	43	67424	19.094	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	51448	19.332	ug/l	97
76) 1,2,3-Trichloropropane	12.77	75	42166m	22.165	ug/l	
77) Bromobenzene	12.74	156	75461	20.011	ug/l	100
78) n-propylbenzene	12.80	91	366902	19.698	ug/l	99
79) 2-Chlorotoluene	12.89	91	205888	19.730	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	265729	19.865	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.51	75	17372	20.490	ug/l	98
82) 4-Chlorotoluene	12.99	91	218864	19.889	ug/l	99
83) tert-Butylbenzene	13.21	119	232977	19.844	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	265478	19.945	ug/l	99
85) sec-Butylbenzene	13.38	105	320832	19.821	ug/l	100
86) p-Isopropyltoluene	13.50	119	297375	19.807	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	146361	20.167	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	146145	20.533	ug/l	99
89) n-Butylbenzene	13.82	91	273335	19.939	ug/l	99
90) Hexachloroethane	14.09	117	51036	20.235	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	128918	20.533	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	7962	19.560	ug/l	95

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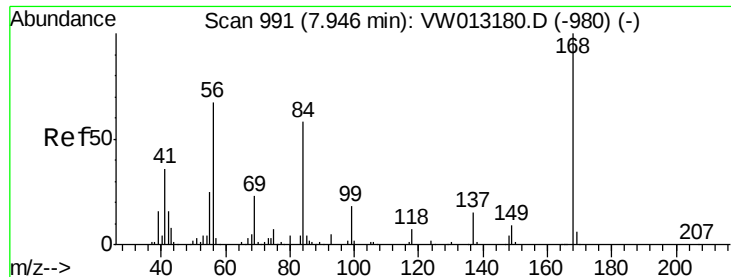
Manual Integrations
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MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	92399	20.537	ug/l	99
94) Hexachlorobutadiene	15.24	225	61153	19.868	ug/l	99
95) Naphthalene	15.36	128	148158	20.135	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	80368	20.673	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: VW013328.D

Acq: 30 Sep 2019 13:08

Instrument :

MSVOA_W

ClientSampleId :

VW0930SBSD01

Tot Ion:168 Resp: 341550

Ion Ratio Lower Upper

168 100

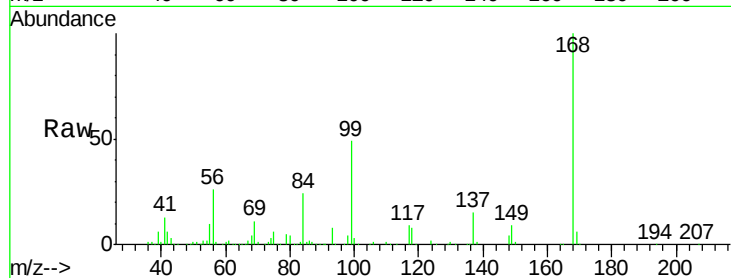
99 48.9 40.2 60.4

Manual Integrations

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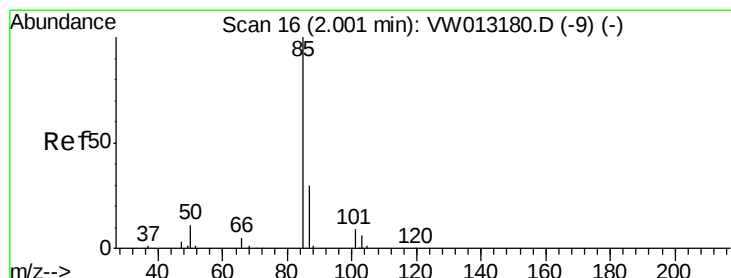
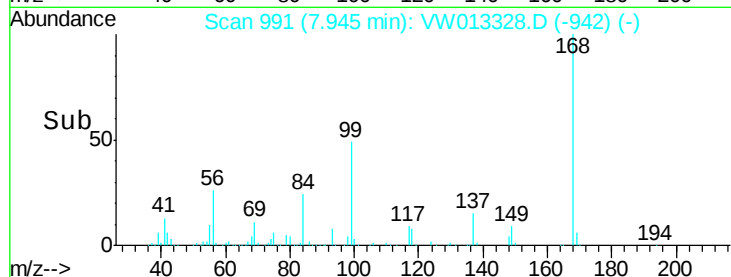
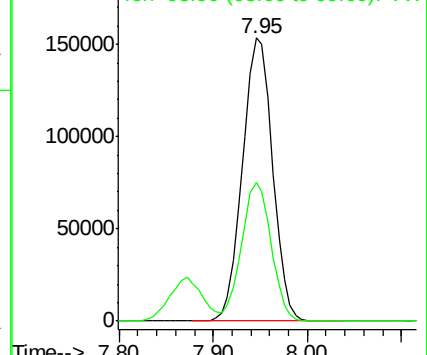
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10/1/2019 11:33:25 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 18.157 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.01 min

Lab File: VW013328.D

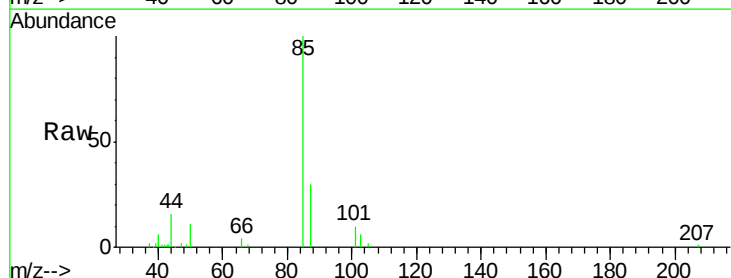
Acq: 30 Sep 2019 13:08

Tgt Ion: 85 Resp: 35772

Ion Ratio Lower Upper

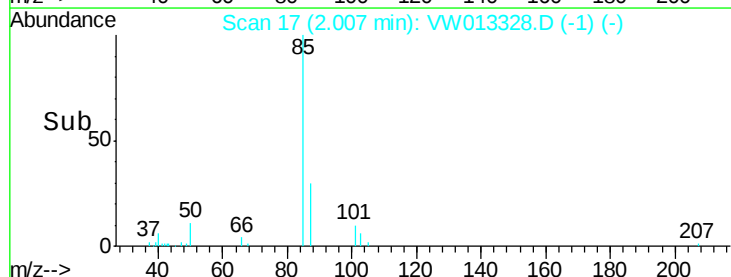
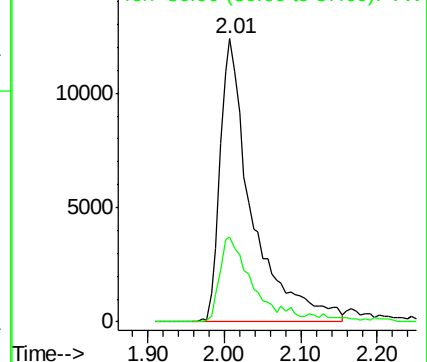
85 100

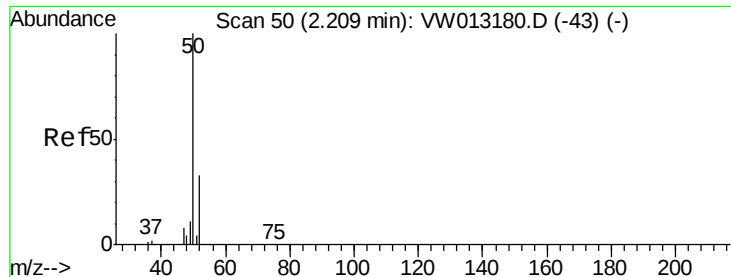
87 30.0 15.1 45.3



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 18.782 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.00 min

Lab File: VW013328.D

Acq: 30 Sep 2019 13:08

Instrument :

MSVOA_W

ClientSampleId :

VW0930SBSD01

Tot Ion: 50 Resp: 47567

Ion Ratio Lower Upper

50 100

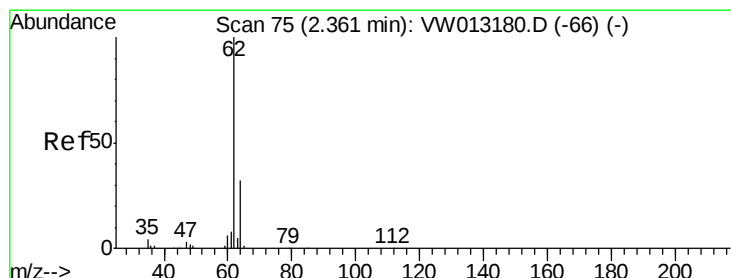
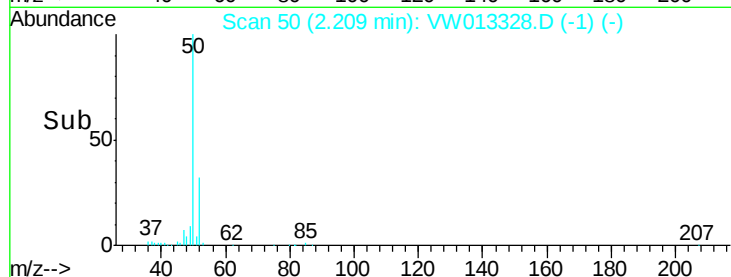
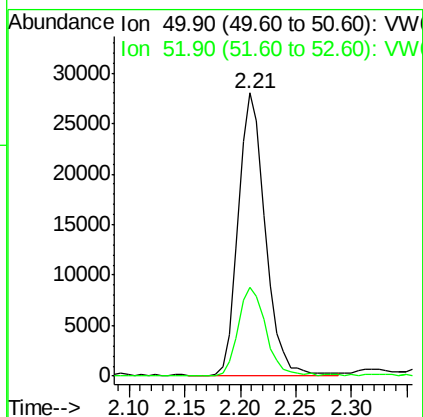
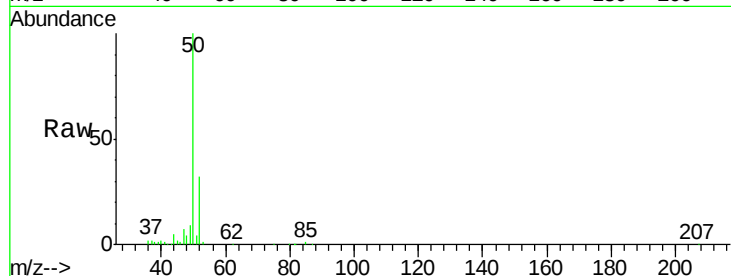
52 31.6 26.1 39.1

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#4

Vinyl Chloride

Concen: 18.968 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW013328.D

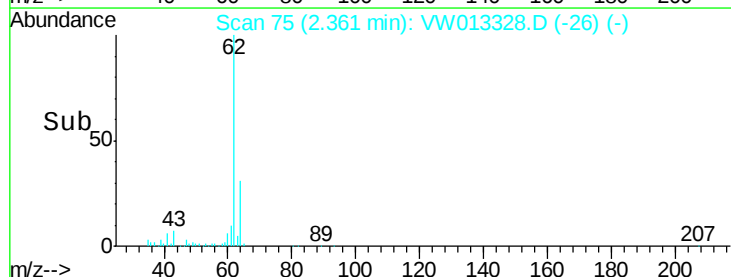
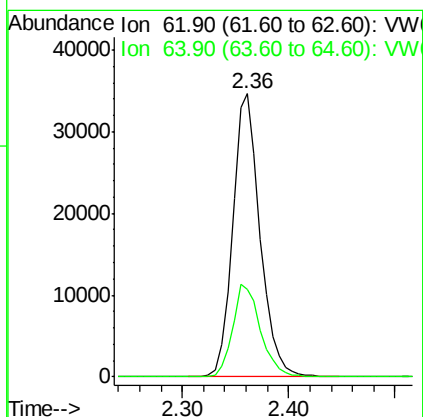
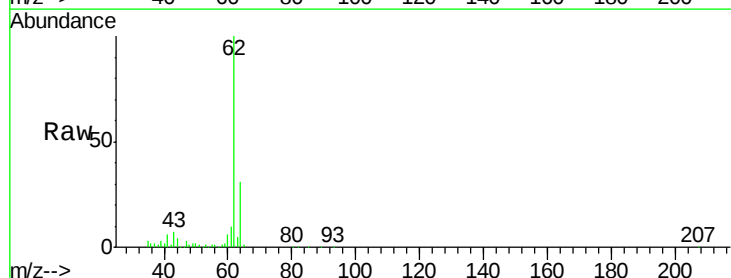
Acq: 30 Sep 2019 13:08

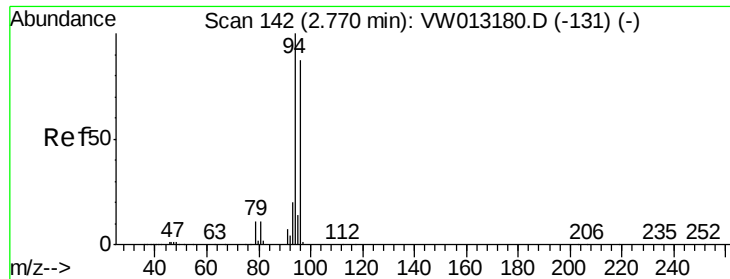
Tgt Ion: 62 Resp: 61932

Ion Ratio Lower Upper

62 100

64 31.1 25.3 37.9





#5

Bromomethane

Concen: 19.229 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.00 min

Lab File: VW013328.D

Acq: 30 Sep 2019 13:08

Instrument :

MSVOA_W

ClientSampleId :

VW0930SBSD01

Tot Ion: 94 Resp: 39788

Ion Ratio Lower Upper

94 100

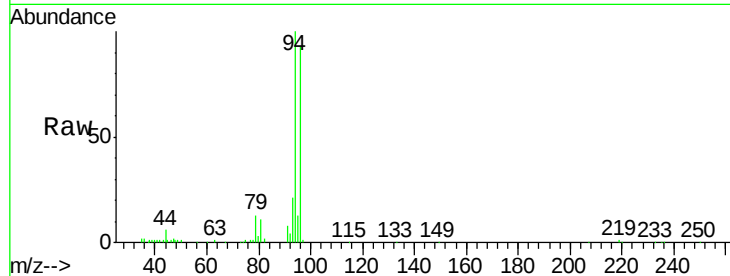
96 93.5 69.7 104.5

Manual Integrations

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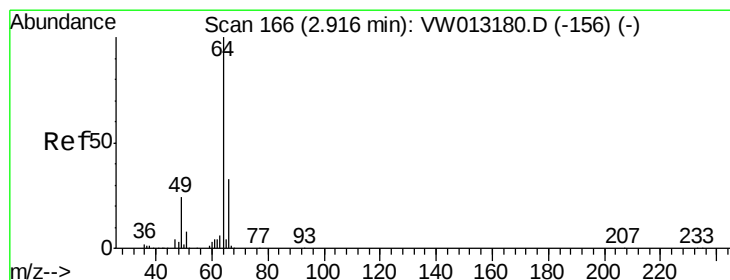
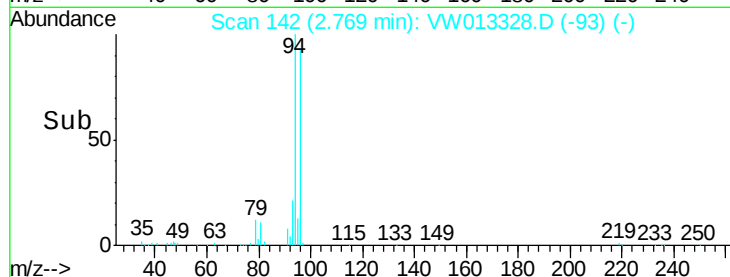
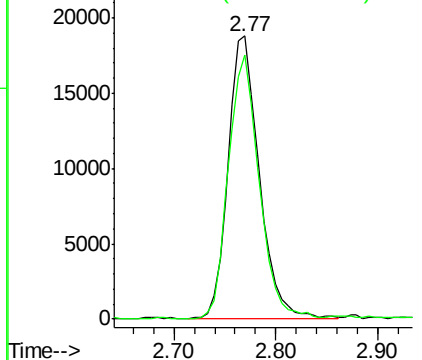
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Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 18.531 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.00 min

Lab File: VW013328.D

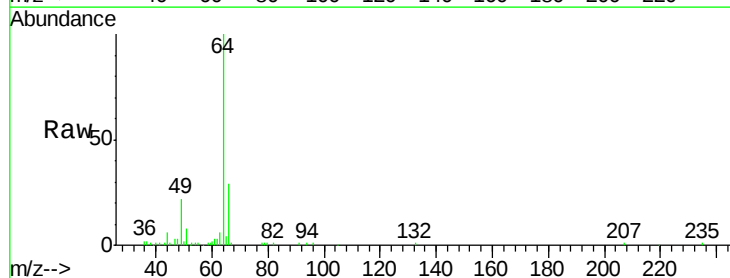
Acq: 30 Sep 2019 13:08

Tgt Ion: 64 Resp: 35665

Ion Ratio Lower Upper

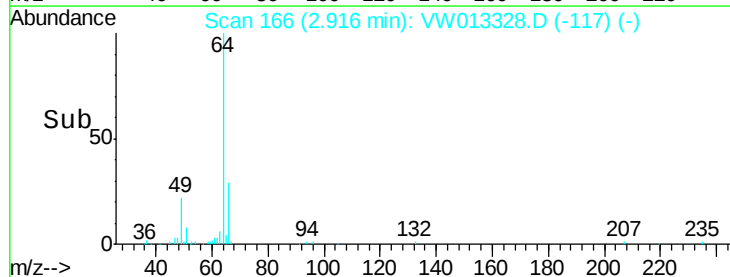
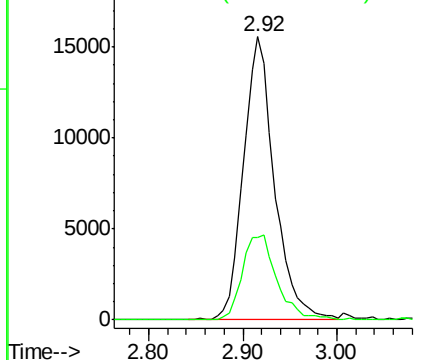
64 100

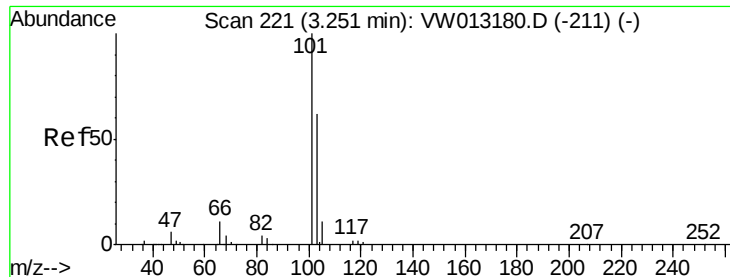
66 29.0 26.6 39.8



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW





#7

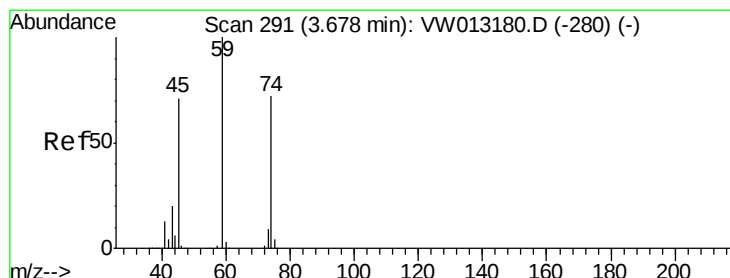
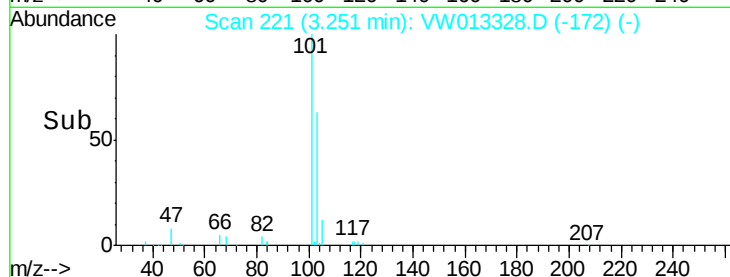
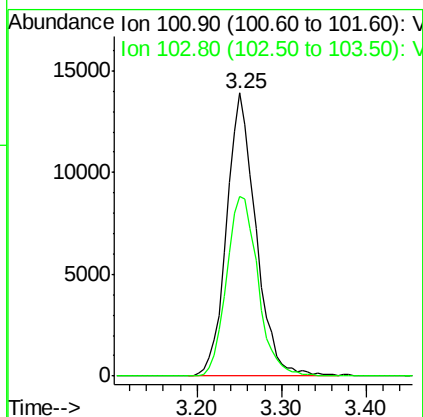
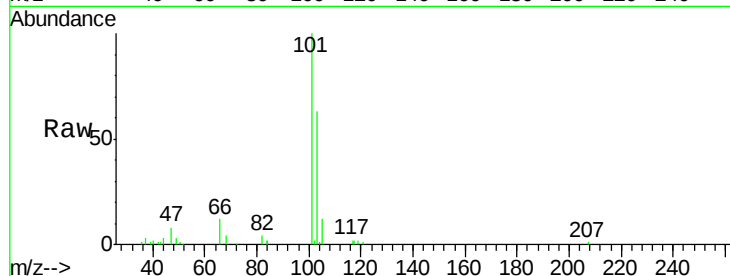
Trichlorofluoromethane
 Concen: 17.500 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.00 min
 Lab File: VW013328.D
 Acq: 30 Sep 2019 13:08

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.3	49.7	74.5

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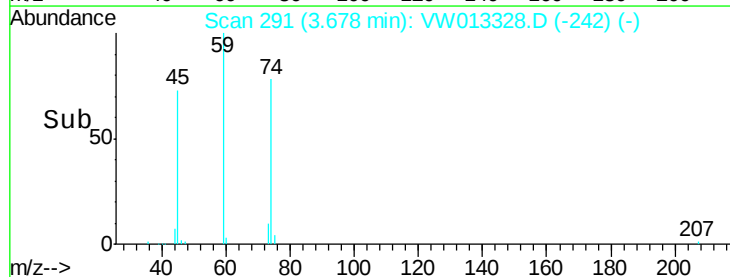
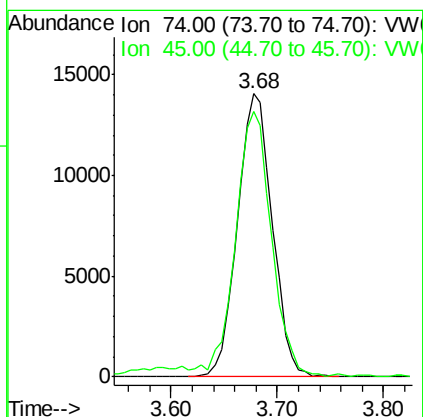
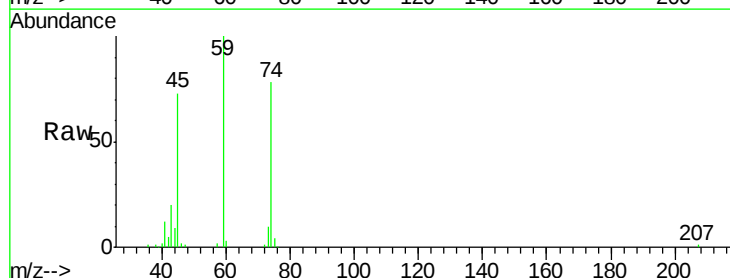
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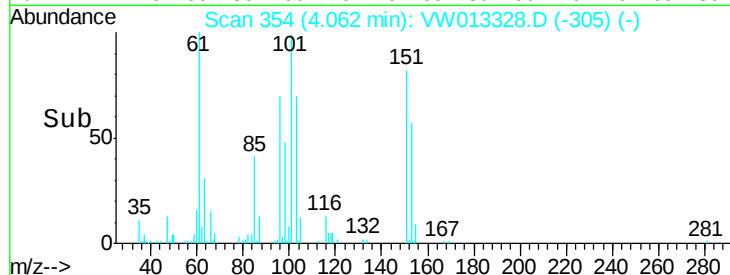
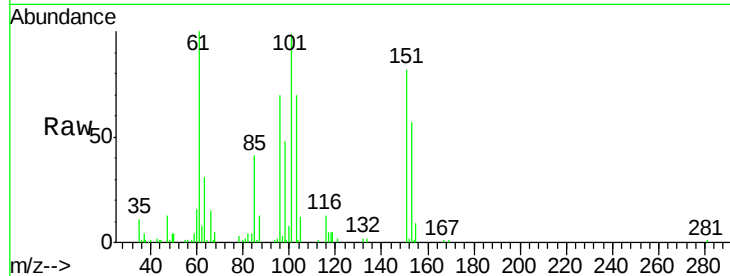
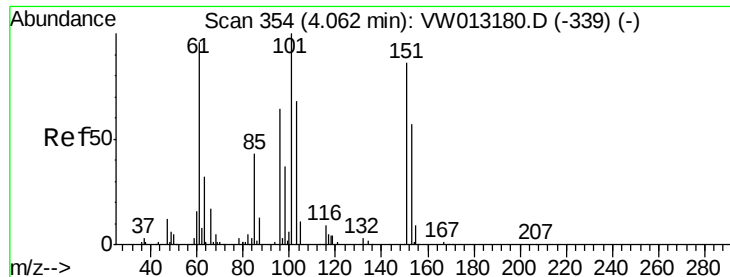


#8

Diethyl Ether
 Concen: 20.020 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW013328.D
 Acq: 30 Sep 2019 13:08

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.7	49.5	148.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.326 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.00 min

Lab File: VW013328.D

Acq: 30 Sep 2019 13:08

Instrument :

MSVOA_W

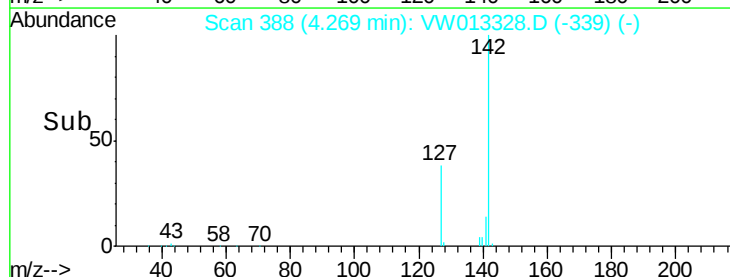
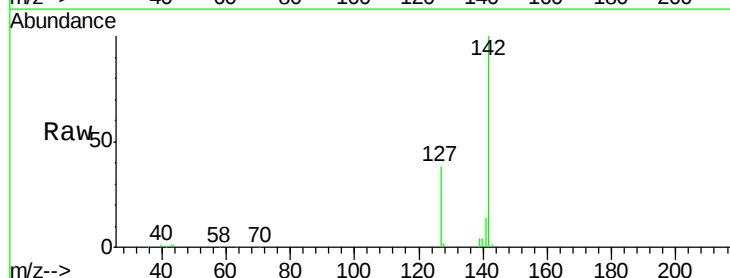
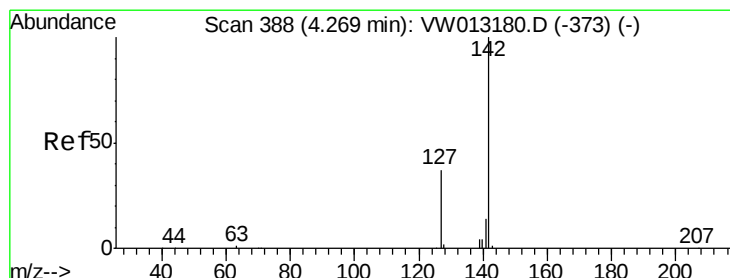
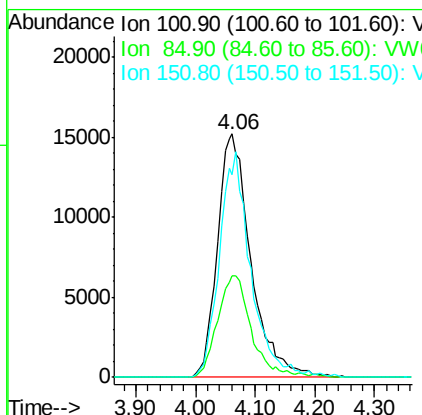
ClientSampleId :

VW0930SBSD01

Tot Ion:	101	Resp:	59239
Ion Ratio	Lower	Upper	
101	100		
85	41.4	33.4	50.0
151	86.1	66.9	100.3

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#10

Methyl Iodide

Concen: 19.327 ug/l

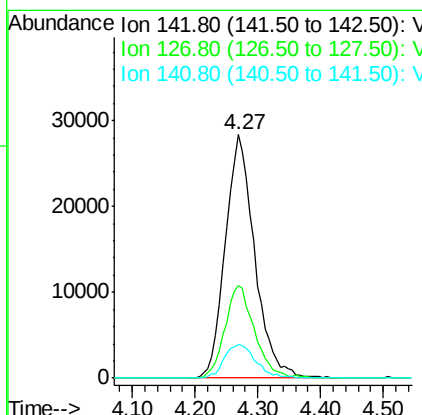
RT: 4.27 min Scan# 388

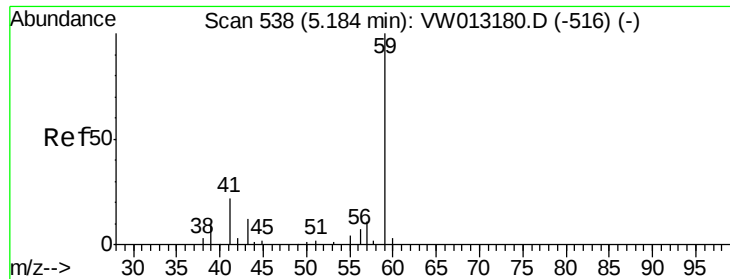
Delta R.T. -0.00 min

Lab File: VW013328.D

Acq: 30 Sep 2019 13:08

Tgt Ion:	142	Resp:	91847
Ion Ratio	Lower	Upper	
142	100		
127	37.8	30.9	46.3
141	14.9	11.7	17.5





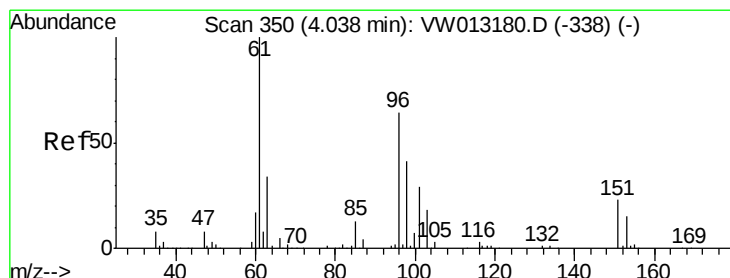
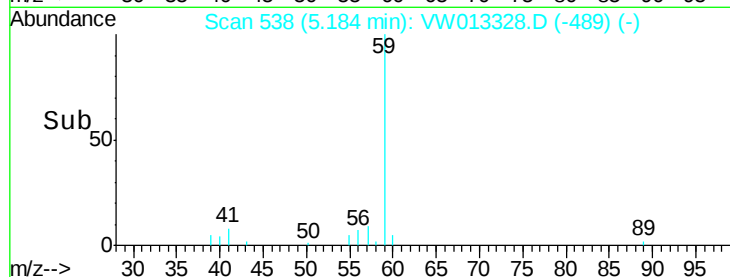
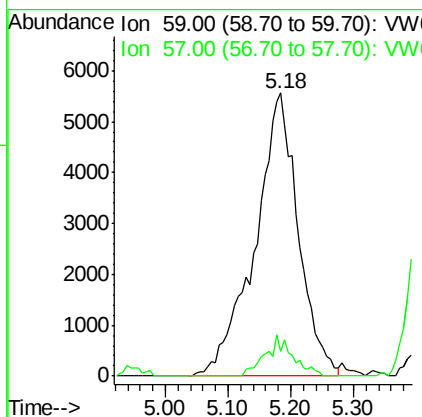
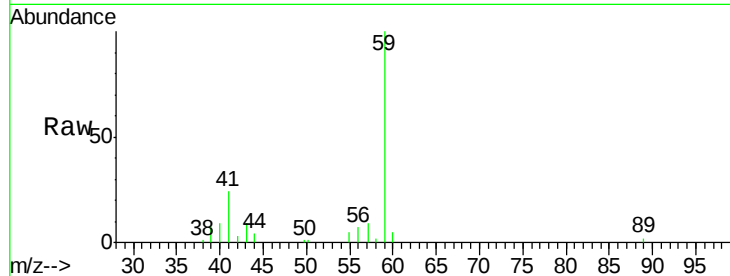
#11
Tert butyl alcohol
Concen: 127.210 ug/l
RT: 5.18 min Scan# 538
Delta R.T. 0.00 min
Lab File: VW013328.D
Acq: 30 Sep 2019 13:08

Instrument :
MSVOA_W
ClientSampleId :
VW0930SBSD01

Tot Ion: 59 Resp: 26523
Ion Ratio Lower Upper
59 100
57 9.0 8.2 12.2

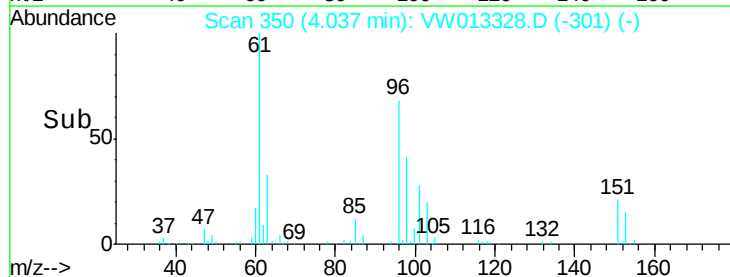
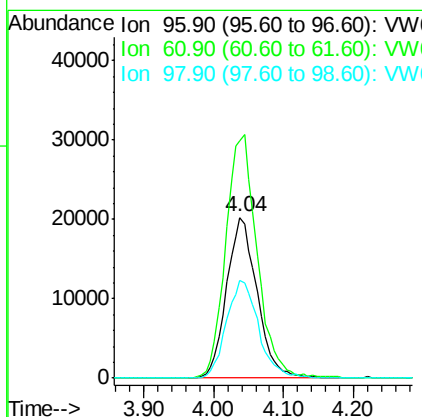
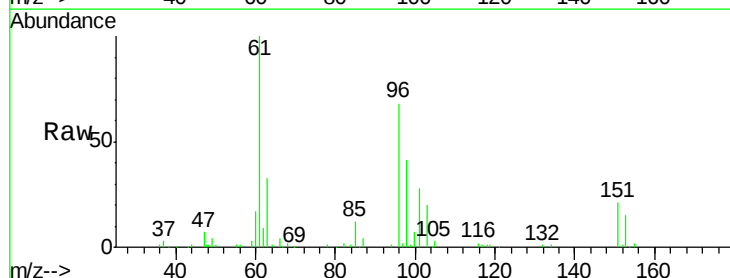
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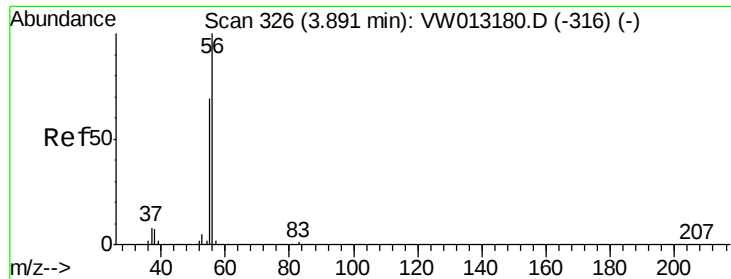
MMDadoda
10/1/2019 11:33:25 AM



#12
1,1-Dichloroethene
Concen: 19.329 ug/l
RT: 4.04 min Scan# 350
Delta R.T. -0.00 min
Lab File: VW013328.D
Acq: 30 Sep 2019 13:08

Tgt Ion: 96 Resp: 61352
Ion Ratio Lower Upper
96 100
61 147.8 125.1 187.7
98 60.9 50.8 76.2





#13

Acrolein

Concen: 87.975 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.00 min

Lab File: VW013328.D

Acq: 30 Sep 2019 13:08

Instrument :

MSVOA_W

ClientSampleId :

VW0930SBSD01

Tot Ion: 56 Resp: 14117

Ion Ratio Lower Upper

56 100

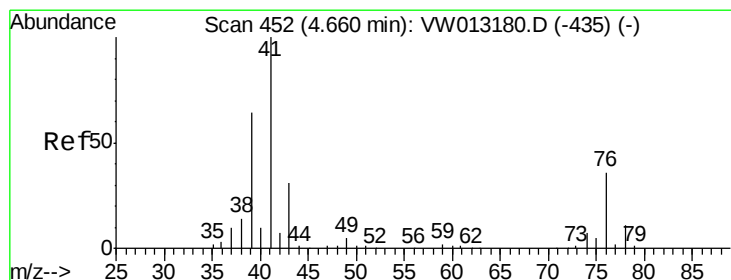
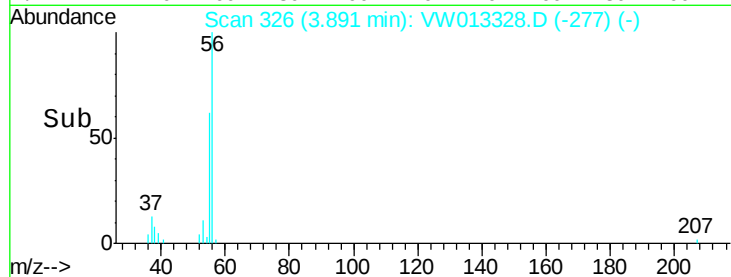
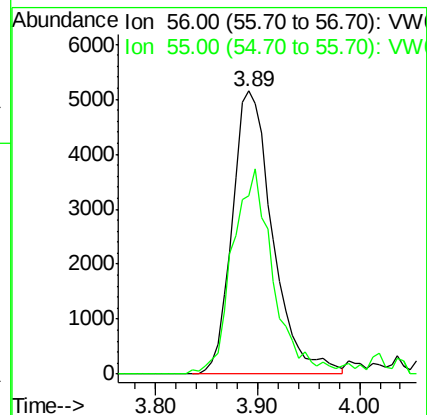
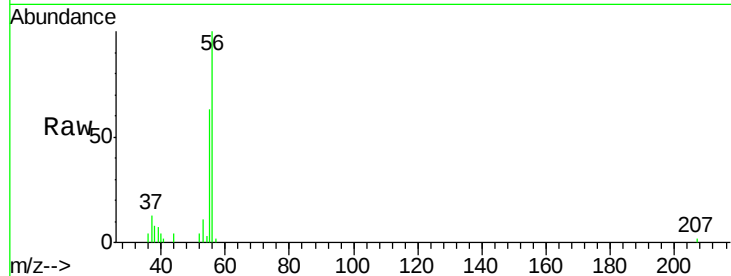
55 73.1 55.4 83.0

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#14

Allyl chloride

Concen: 19.032 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.01 min

Lab File: VW013328.D

Acq: 30 Sep 2019 13:08

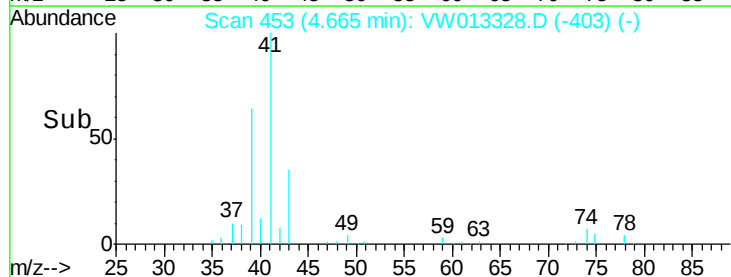
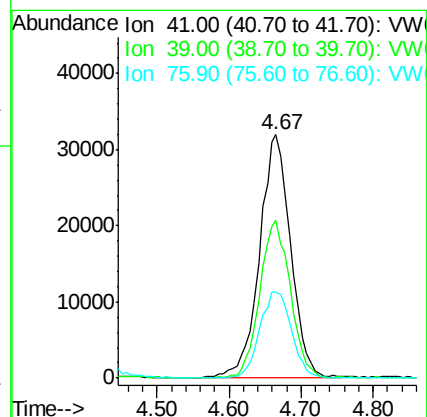
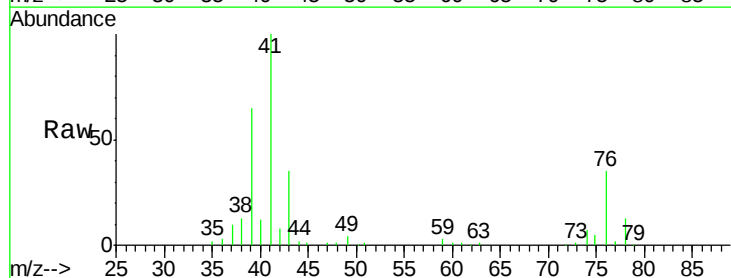
Tgt Ion: 41 Resp: 96142

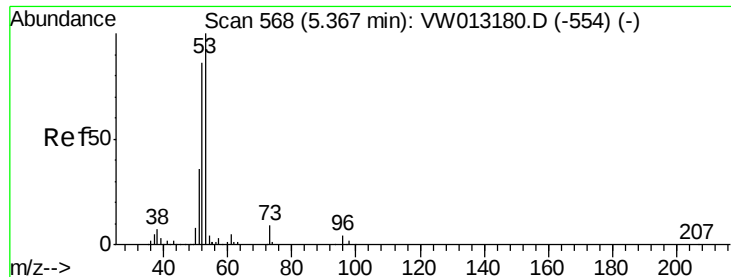
Ion Ratio Lower Upper

41 100

39 63.6 51.0 76.4

76 36.0 28.4 42.6





#15

Acrylonitrile

Concen: 99.453 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW013328.D

Acq: 30 Sep 2019 13:08

Instrument :

MSVOA_W

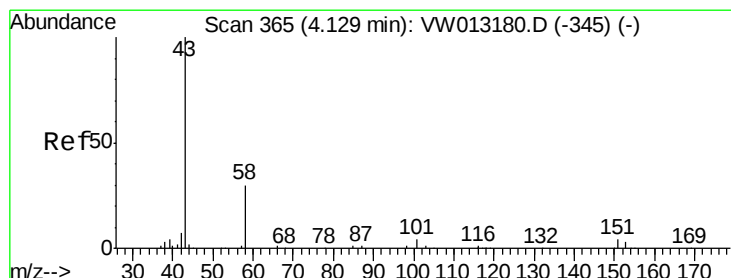
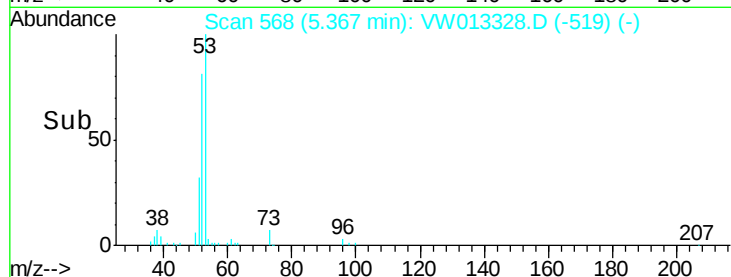
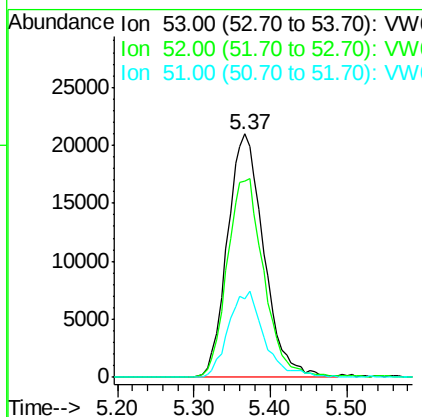
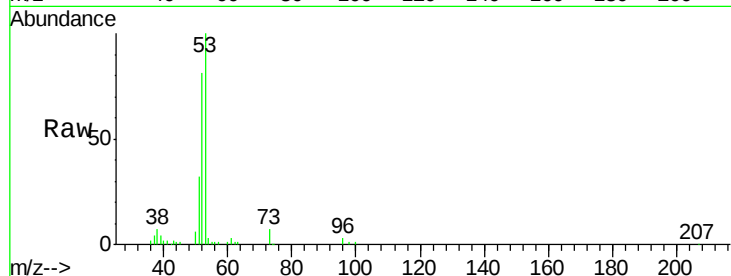
ClientSampleId :

VW0930SBS01

Tot Ion:	53	Resp:	69031
Ion Ratio	Lower	Upper	
53	100		
52	82.6	65.3	97.9
51	35.0	29.0	43.4

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#16

Acetone

Concen: 97.898 ug/l

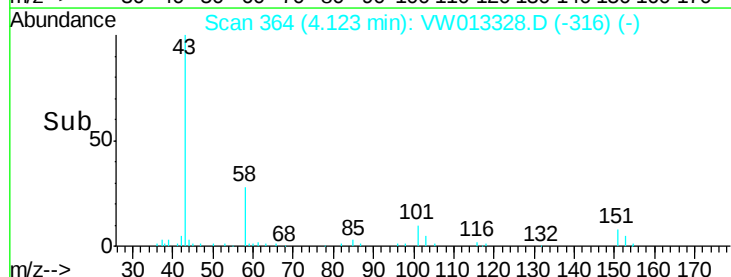
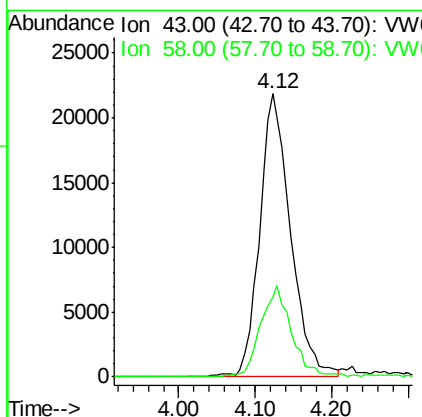
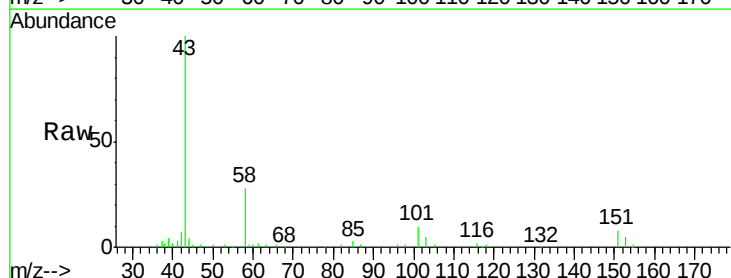
RT: 4.12 min Scan# 364

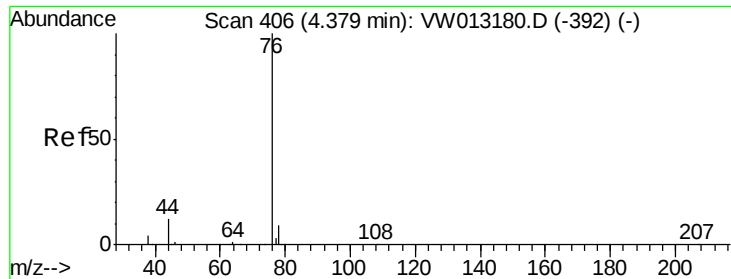
Delta R.T. -0.01 min

Lab File: VW013328.D

Acq: 30 Sep 2019 13:08

Tgt Ion:	43	Resp:	61541
Ion Ratio	Lower	Upper	
43	100		
58	28.2	24.1	36.1





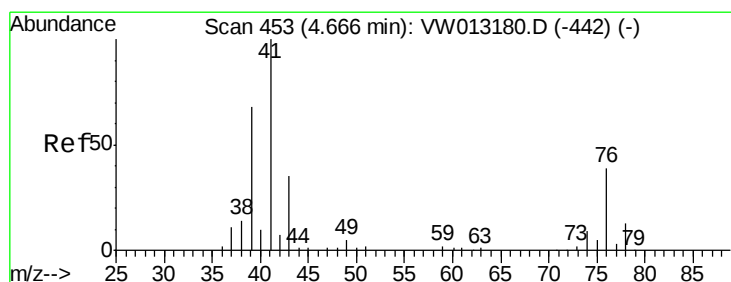
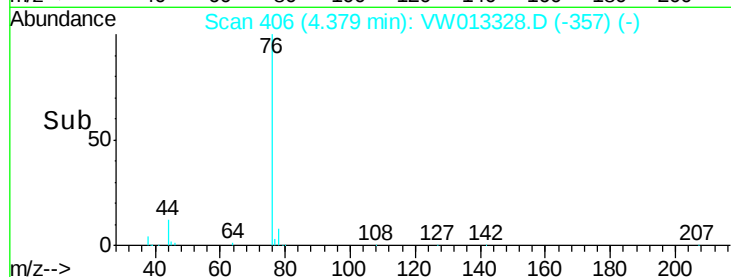
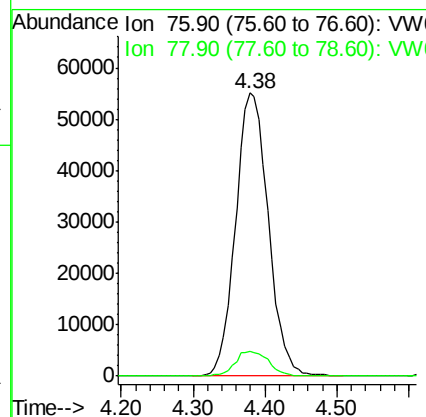
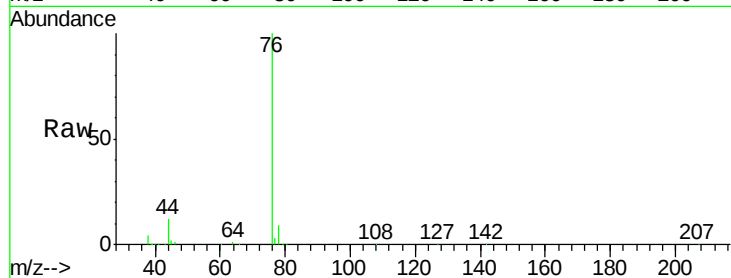
#17
Carbon Disulfide
Concen: 18.932 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.00 min
Lab File: VW013328.D
Acq: 30 Sep 2019 13:08

Instrument :
MSVOA_W
ClientSampleId :
VW0930SBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.6	7.0	10.4

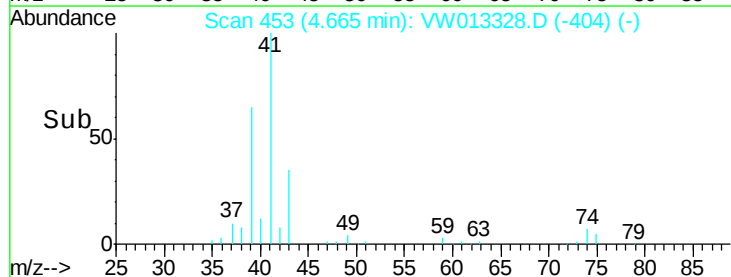
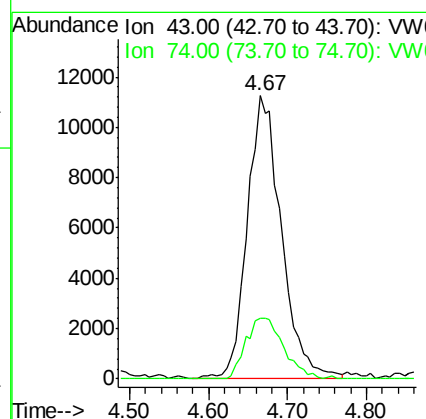
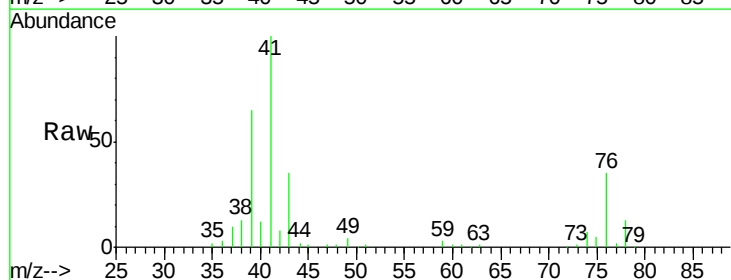
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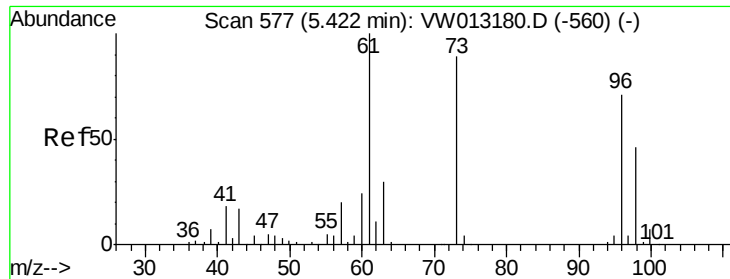
MMDadoda
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#18
Methyl Acetate
Concen: 19.220 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW013328.D
Acq: 30 Sep 2019 13:08

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.6	19.3	28.9





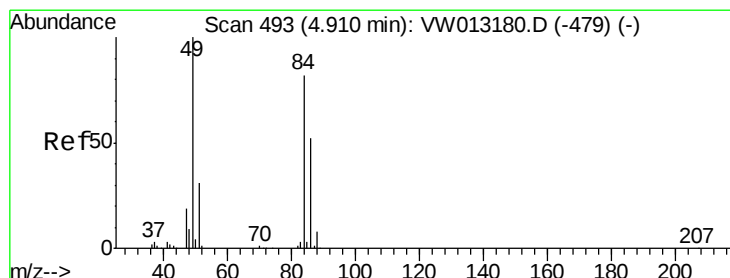
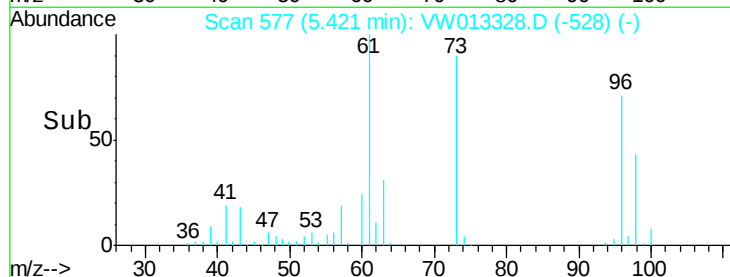
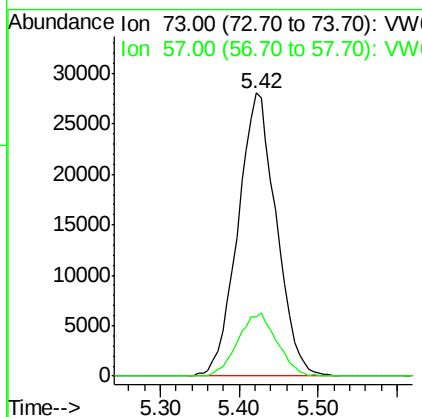
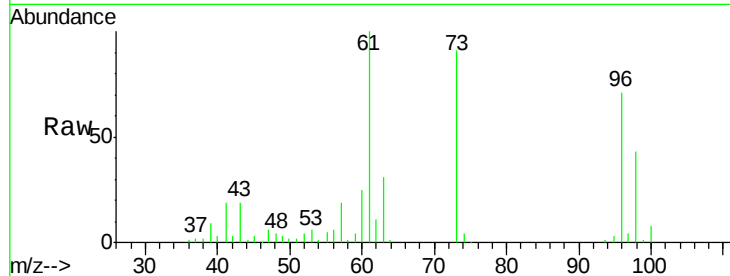
#19
Methvl tert-butvl Ether
Concen: 19.495 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW013328.D
Acq: 30 Sep 2019 13:08

Instrument :
MSVOA_W
ClientSampleId :
VW0930SBSD01

Tot Ion: 73 Resp: 94838
Ion Ratio Lower Upper
73 100
57 21.0 17.6 26.4

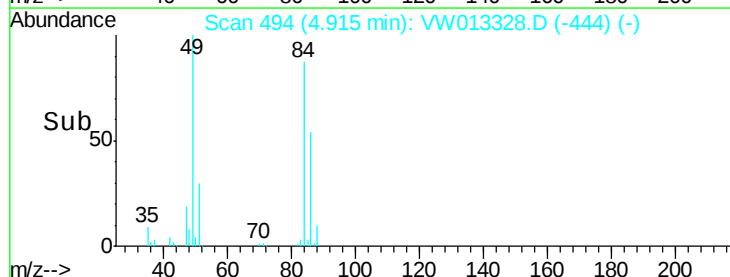
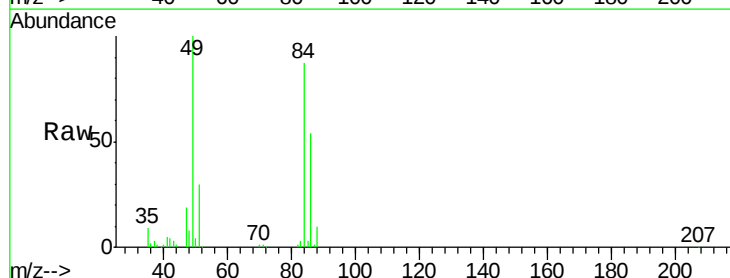
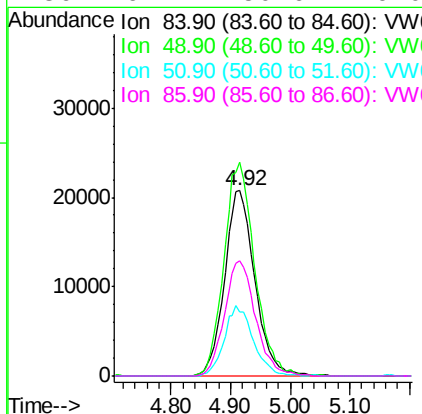
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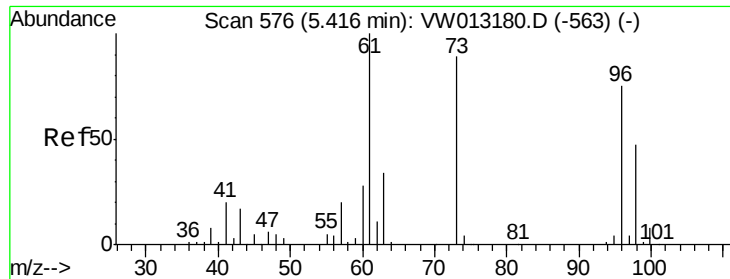
MMDadoda
10/1/2019 11:33:25 AM



#20
Methylene Chloride
Concen: 21.107 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW013328.D
Acq: 30 Sep 2019 13:08

Tgt Ion: 84 Resp: 73255
Ion Ratio Lower Upper
84 100
49 115.2 97.6 146.4
51 34.8 30.2 45.2
86 62.1 50.6 76.0





#21

trans-1,2-Dichloroethene

Concen: 19.574 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.01 min

Lab File: VW013328.D

Acq: 30 Sep 2019 13:08

Instrument :

MSVOA_W

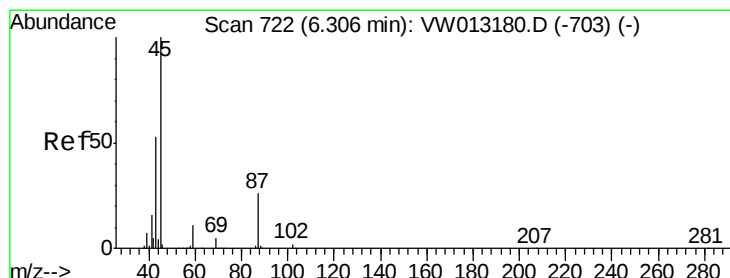
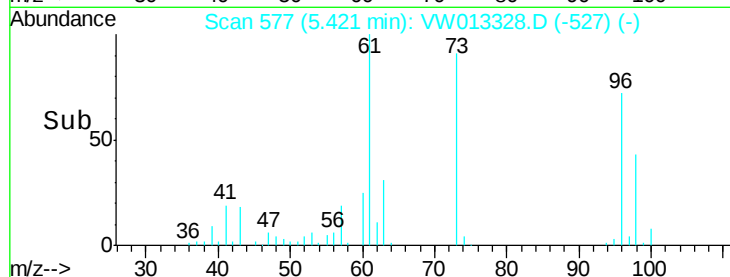
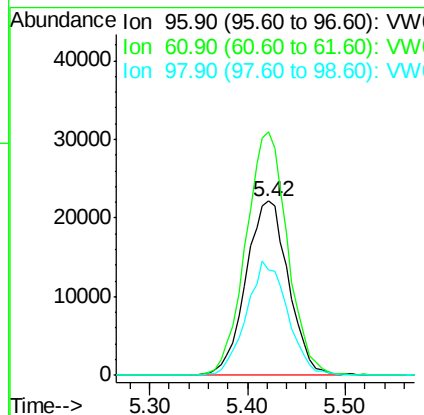
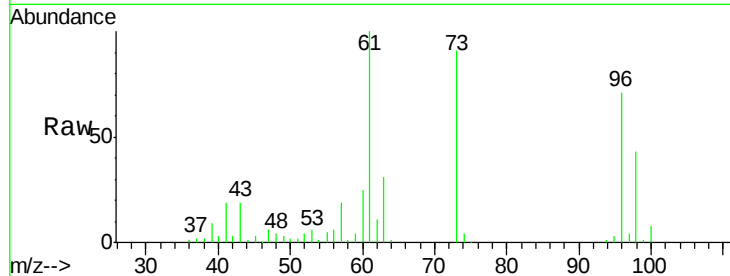
ClientSampleId :

VW0930SBSD01

Tot Ion:	96	Resp:	67150
Ion	Ratio	Lower	Upper
96	100		
61	139.9	106.6	159.8
98	60.7	49.8	74.8

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#22

Diisopropyl ether

Concen: 19.668 ug/l

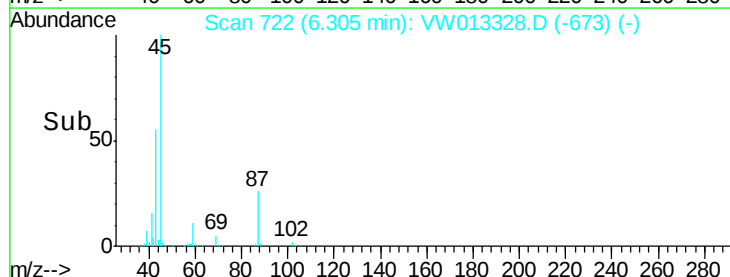
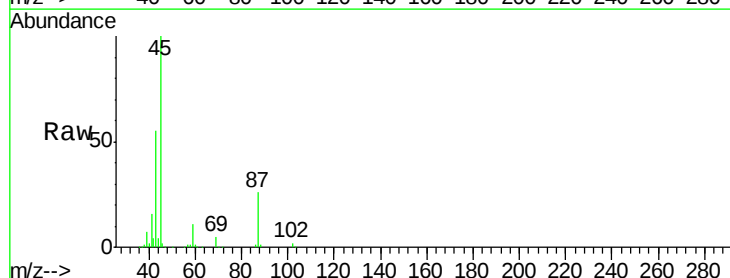
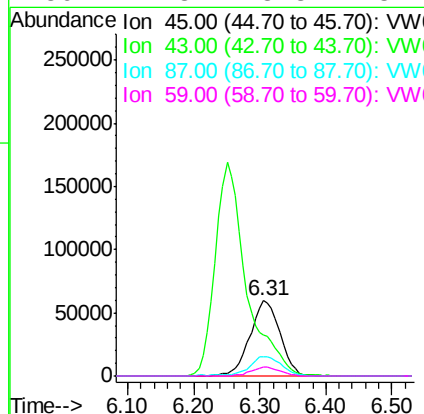
RT: 6.31 min Scan# 722

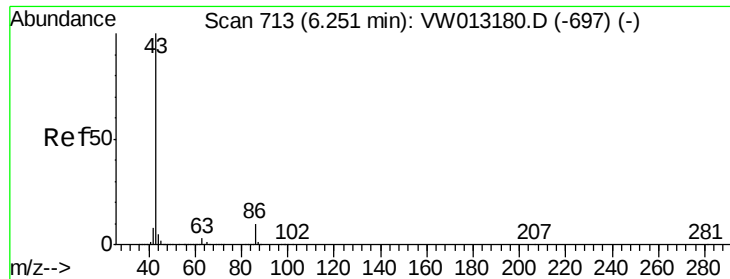
Delta R.T. -0.00 min

Lab File: VW013328.D

Acq: 30 Sep 2019 13:08

Tgt Ion:	45	Resp:	188927
Ion	Ratio	Lower	Upper
45	100		
43	54.5	42.4	63.6
87	25.6	20.4	30.6
59	11.3	8.8	13.2





#23

Vinyl Acetate

Concen: 96.928 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW013328.D

Acq: 30 Sep 2019 13:08

Instrument :

MSVOA_W

ClientSampleId :

VW0930SBS01

Tot Ion: 43 Resp: 552373

Ion Ratio Lower Upper

43 100

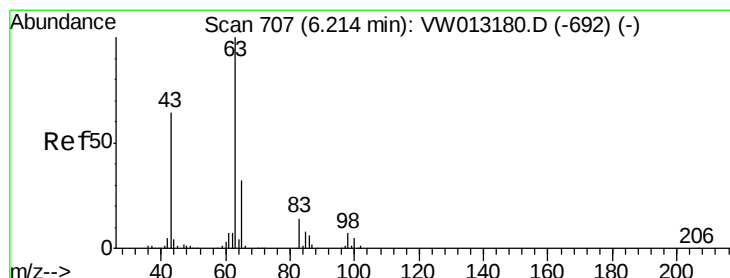
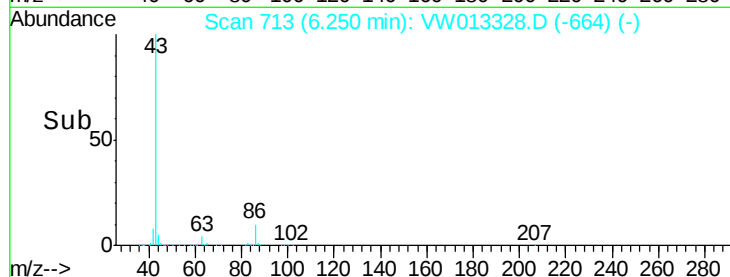
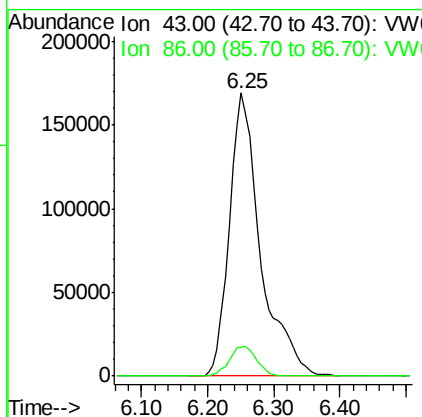
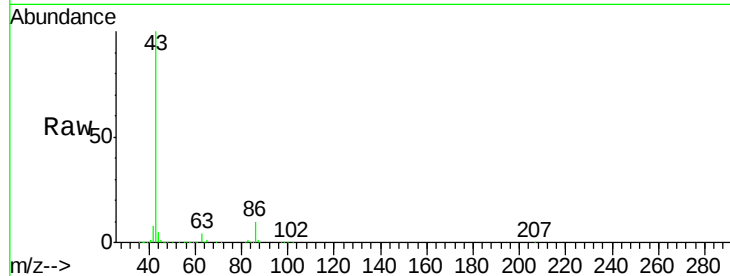
86 10.1 8.3 12.5

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#24

1,1-Dichloroethane

Concen: 19.594 ug/l

RT: 6.22 min Scan# 708

Delta R.T. 0.01 min

Lab File: VW013328.D

Acq: 30 Sep 2019 13:08

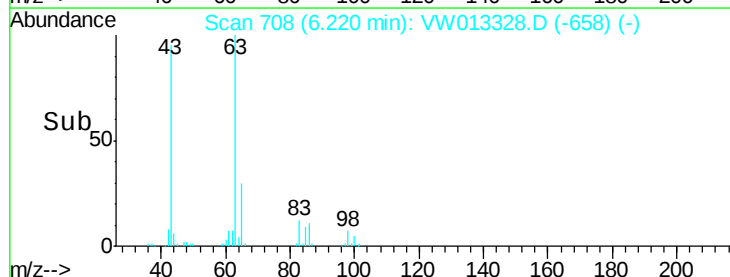
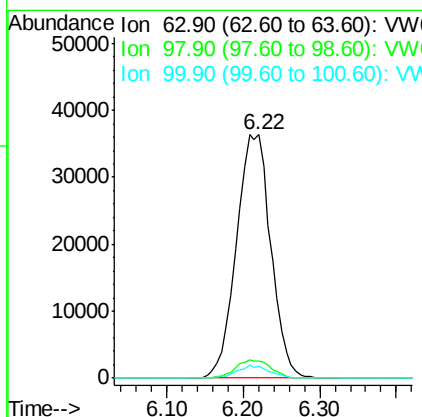
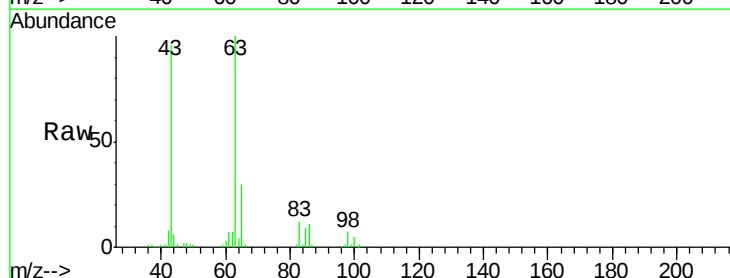
Tgt Ion: 63 Resp: 113579

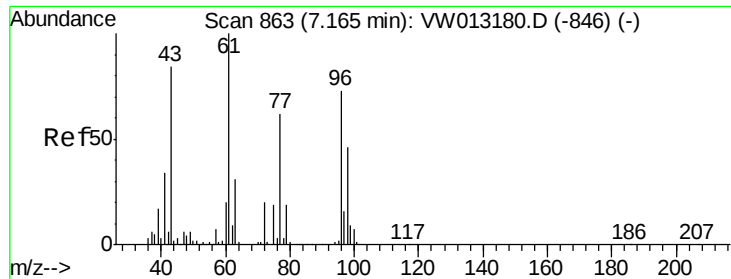
Ion Ratio Lower Upper

63 100

98 7.2 3.5 10.5

100 4.8 2.4 7.1





#25

2-Butanone

Concen: 96.691 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW013328.D

Acq: 30 Sep 2019 13:08

Instrument :

MSVOA_W

ClientSampleId :

VW0930SBSD01

Tot Ion: 43 Resp: 91244

Ion Ratio Lower Upper

43 100

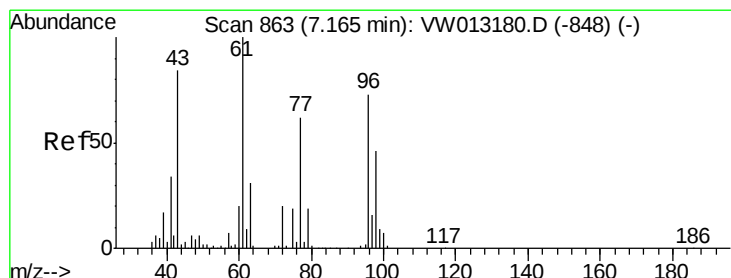
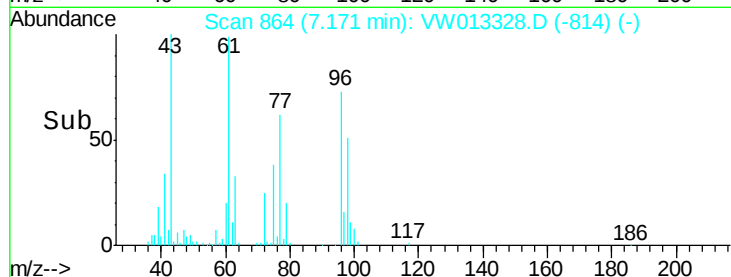
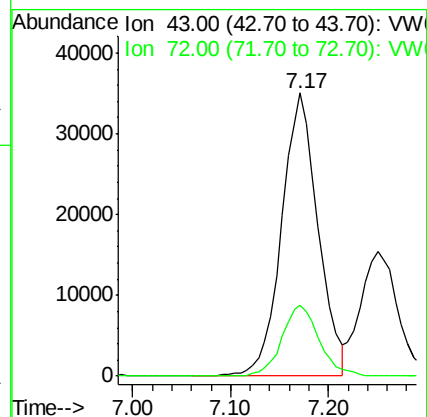
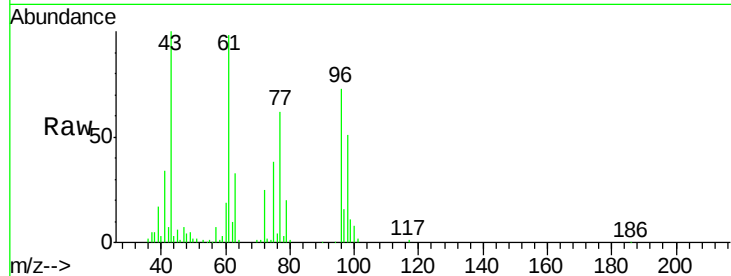
72 25.1 19.4 29.0

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 19.233 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW013328.D

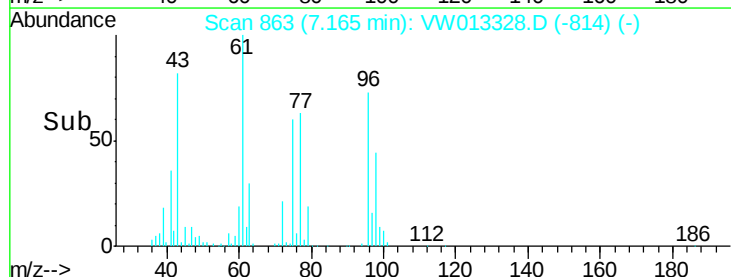
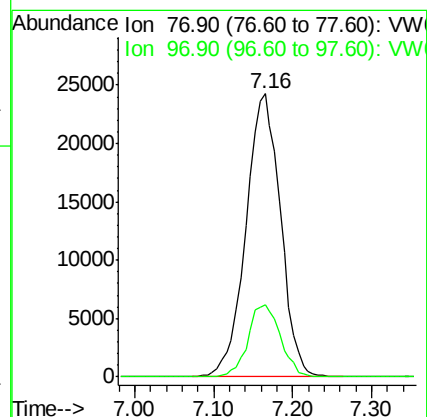
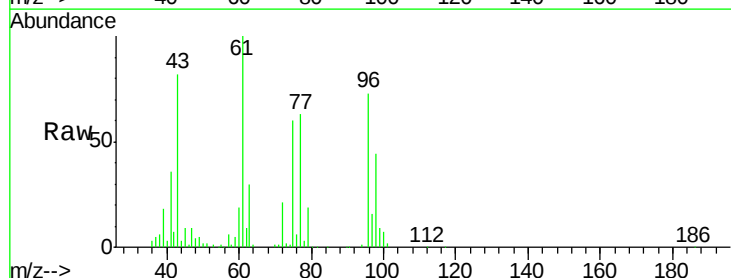
Acq: 30 Sep 2019 13:08

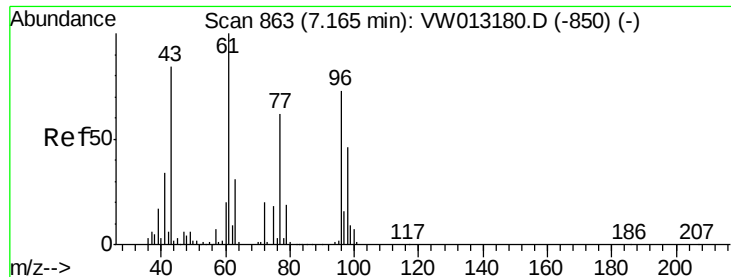
Tgt Ion: 77 Resp: 73815

Ion Ratio Lower Upper

77 100

97 23.9 11.8 35.4





#27

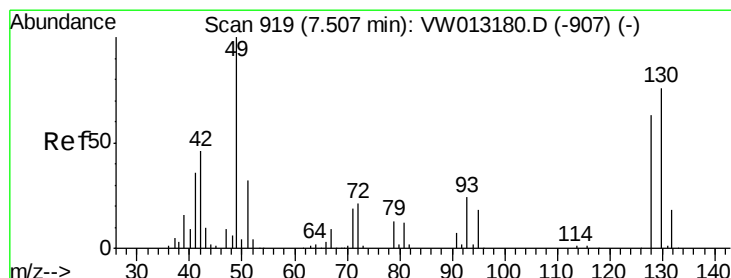
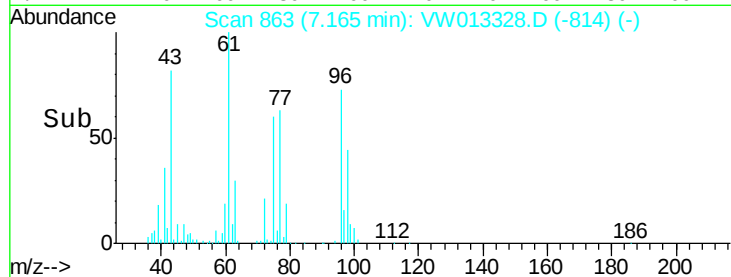
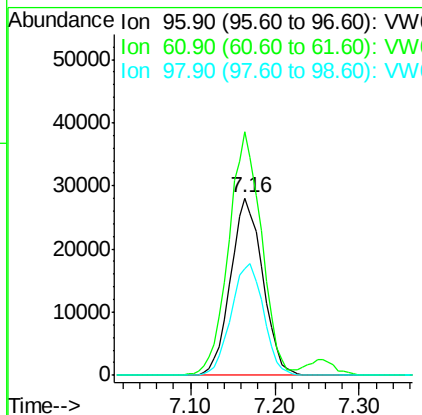
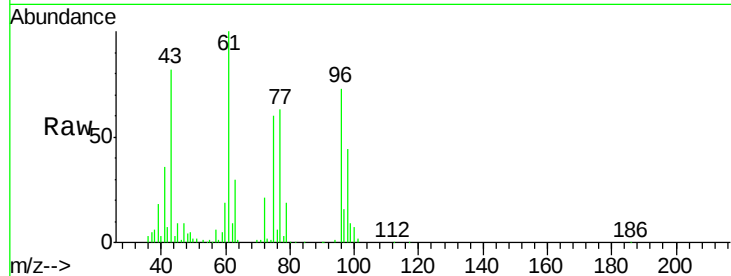
cis-1,2-Dichloroethene
Concen: 19.998 ug/l
RT: 7.16 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW013328.D
Acq: 30 Sep 2019 13:08

Instrument :
MSVOA_W
ClientSampleId :
VW0930SBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	140.5	0.0	282.4
98	63.5	0.0	128.2

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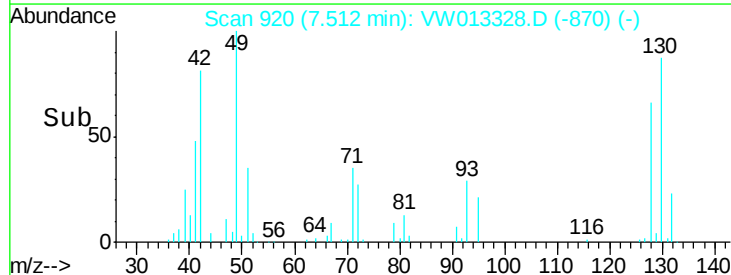
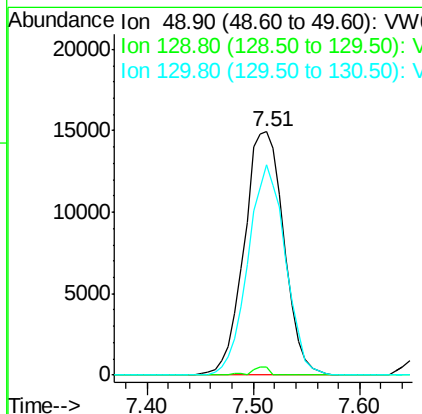
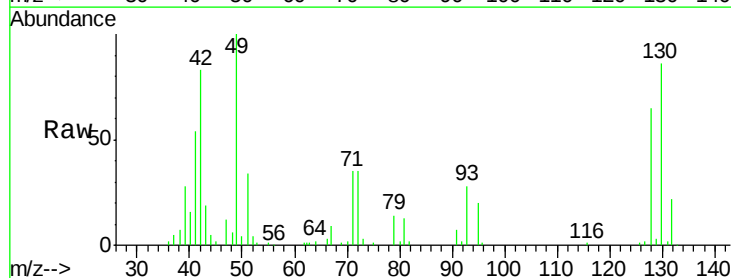
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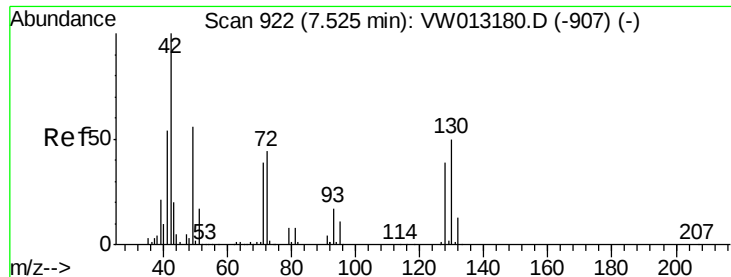


#28

Bromochloromethane
Concen: 17.633 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.01 min
Lab File: VW013328.D
Acq: 30 Sep 2019 13:08

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	1.0#
130	81.4	63.4	95.2





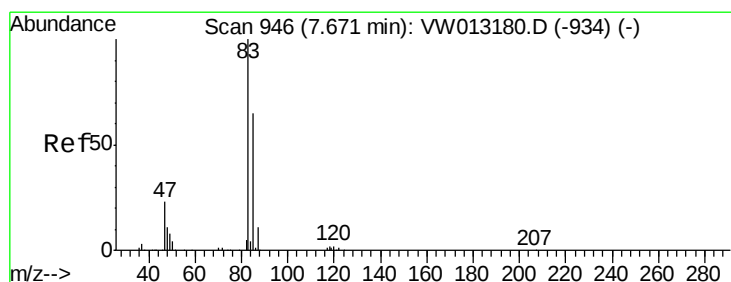
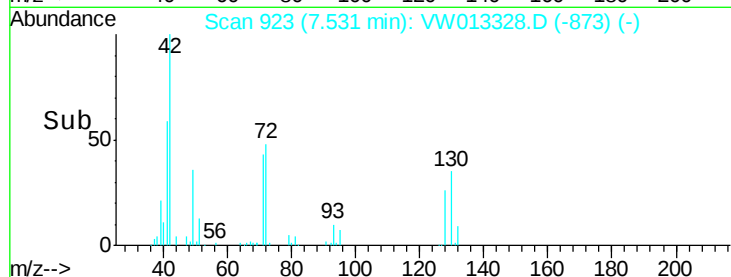
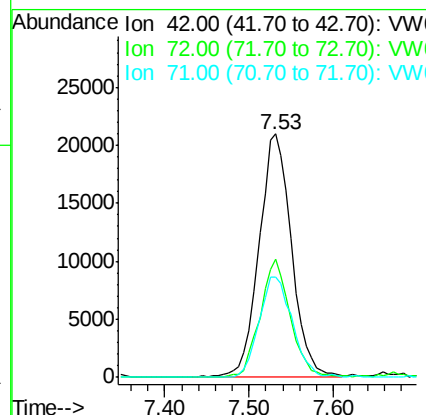
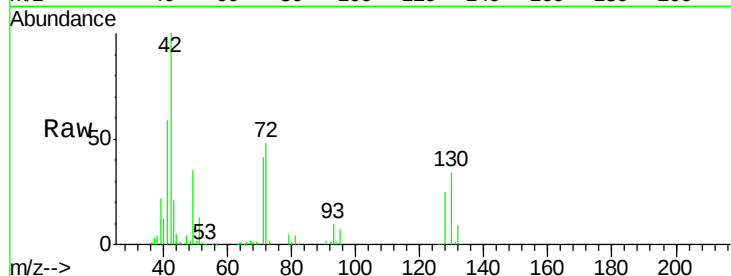
#29
Tetrahydrofuran
Concen: 95.943 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.01 min
Lab File: VW013328.D
Acq: 30 Sep 2019 13:08

Instrument :
MSVOA_W
ClientSampleId :
VW0930SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.0	33.9	50.9
71	42.2	31.9	47.9

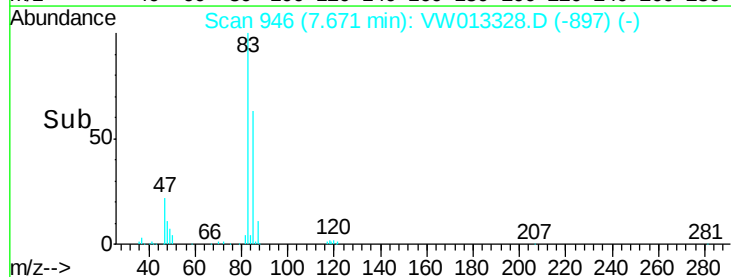
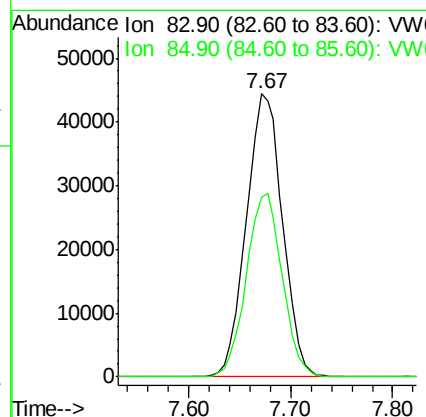
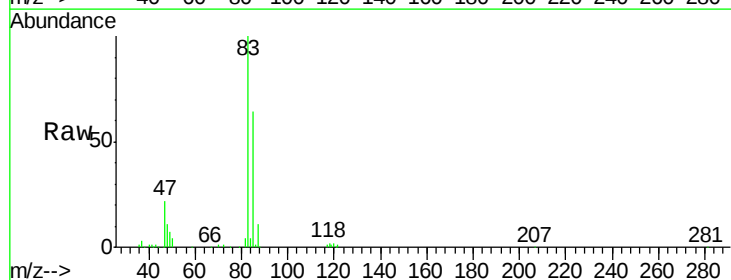
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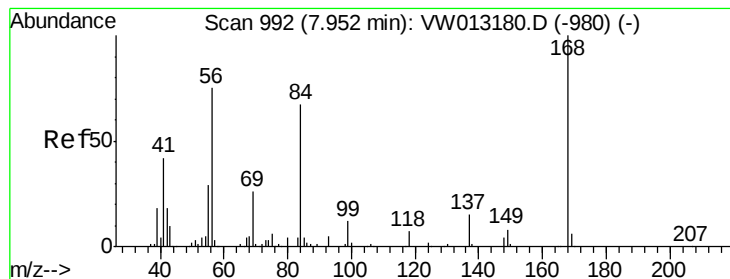
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#30
Chloroform
Concen: 19.297 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW013328.D
Acq: 30 Sep 2019 13:08

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.6	52.3	78.5





#31

Cyclohexane

Concen: 18.901 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW013328.D

Acq: 30 Sep 2019 13:08

Instrument :

MSVOA_W

ClientSampleId :

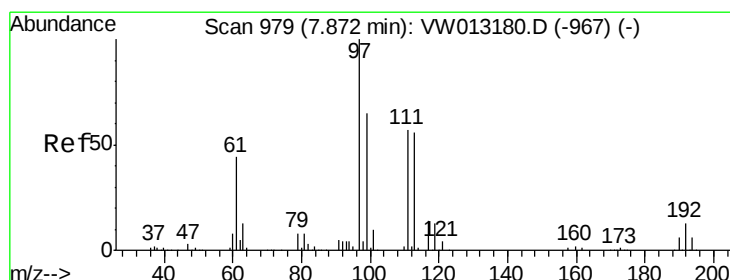
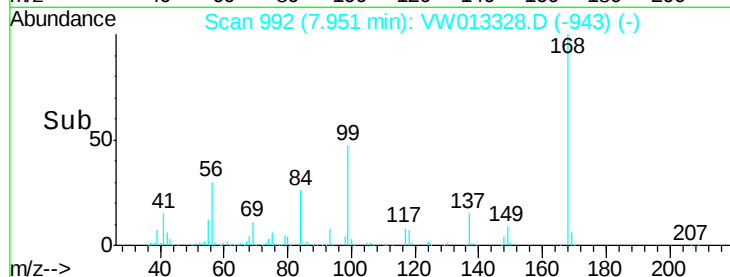
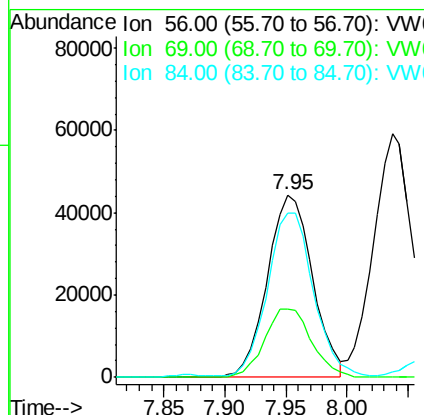
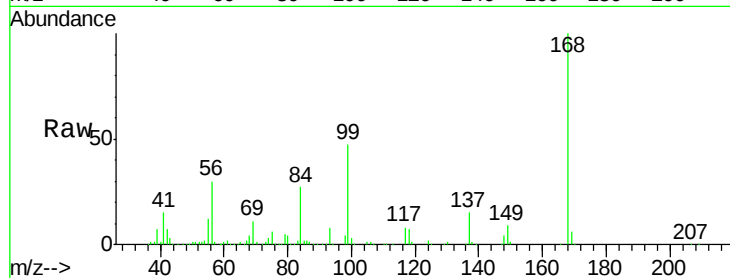
VW0930SBSD01

Tot Ion: 56 Resp: 114208

Ion	Ratio	Lower	Upper
56	100		
69	37.7	27.2	40.8
84	88.4	70.8	106.2

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#32

1,1,1-Trichloroethane

Concen: 19.623 ug/l

RT: 7.87 min Scan# 979

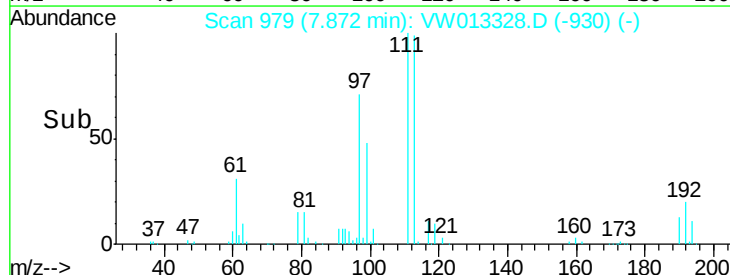
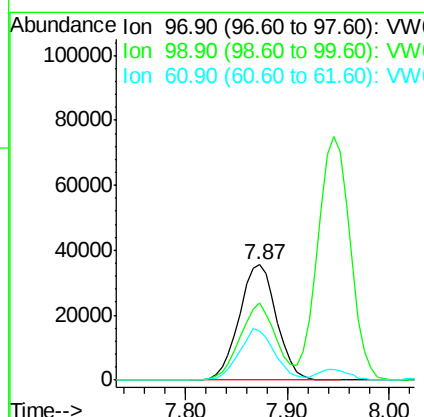
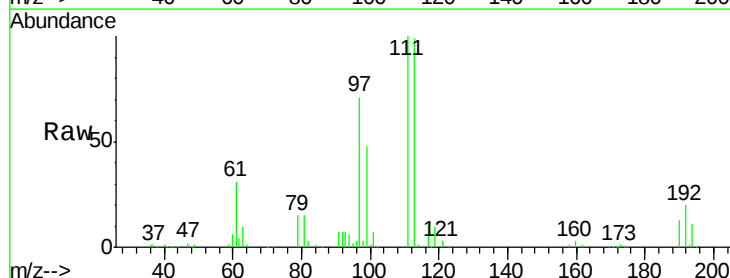
Delta R.T. -0.00 min

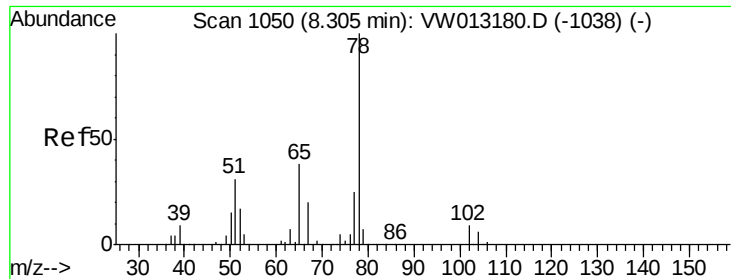
Lab File: VW013328.D

Acq: 30 Sep 2019 13:08

Tgt Ion: 97 Resp: 90195

Ion	Ratio	Lower	Upper
97	100		
99	65.4	51.7	77.5
61	42.1	34.6	51.8





#33

1,2-Dichloroethane-d4

Concen: 51.126 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW013328.D

Acq: 30 Sep 2019 13:08

Instrument :

MSVOA_W

ClientSampleId :

VW0930SBSD01

Tot Ion: 65 Resp: 142516

Ion Ratio Lower Upper

65 100

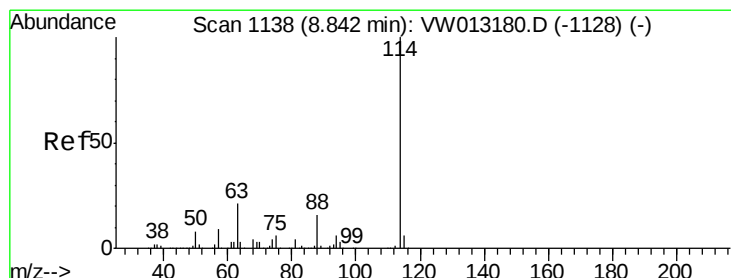
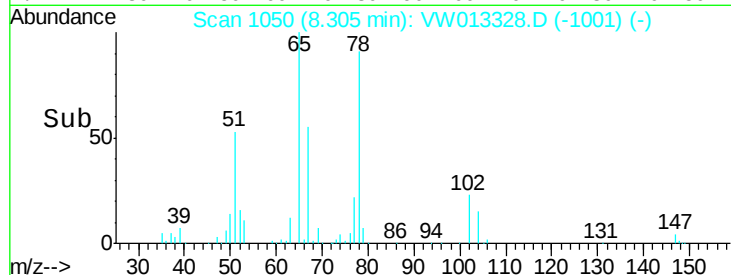
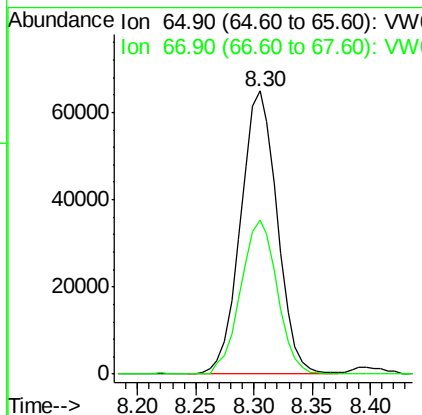
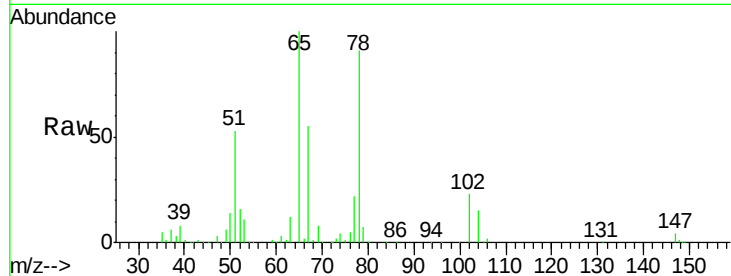
67 54.4 0.0 106.2

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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: VW013328.D

Acq: 30 Sep 2019 13:08

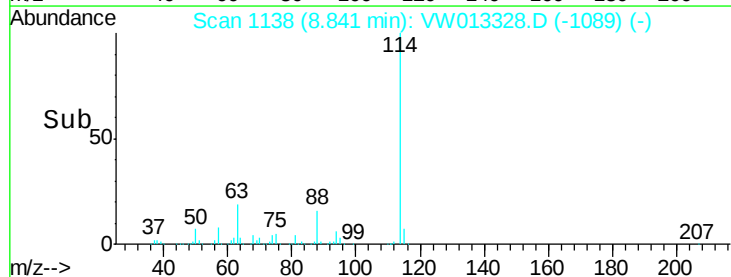
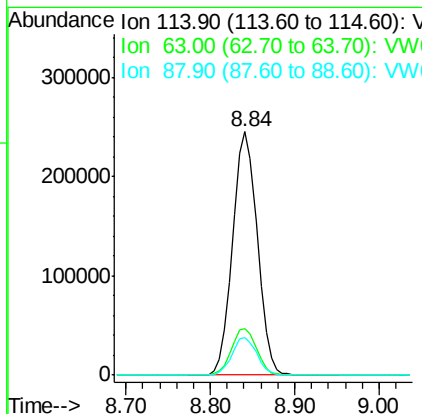
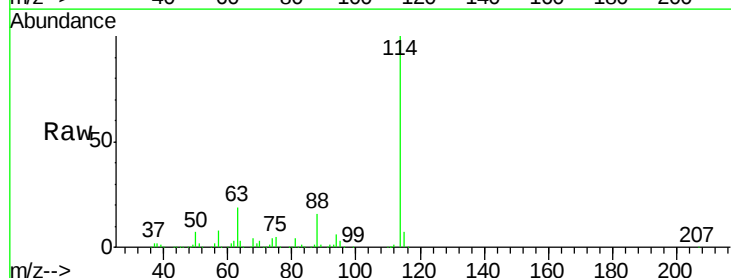
Tgt Ion: 114 Resp: 484719

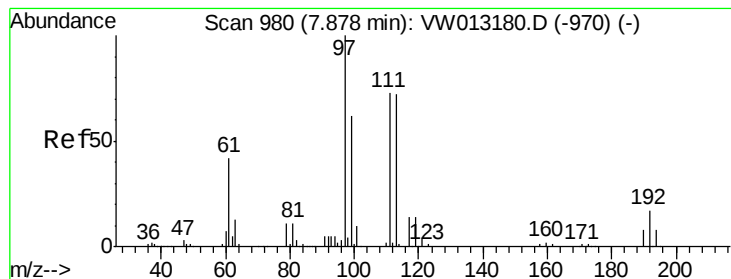
Ion Ratio Lower Upper

114 100

63 18.9 0.0 41.4

88 15.6 0.0 32.0





#35

Dibromofluoromethane

Concen: 54.535 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.01 min

Lab File: VW013328.D

Acq: 30 Sep 2019 13:08

Instrument :

MSVOA_W

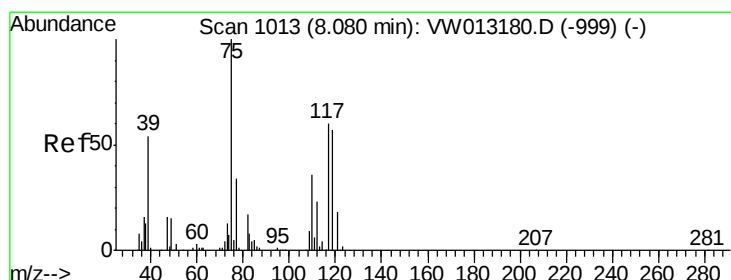
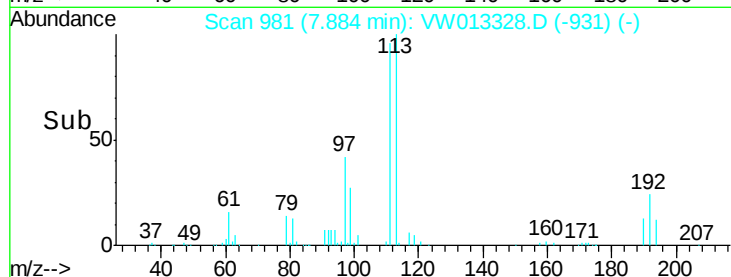
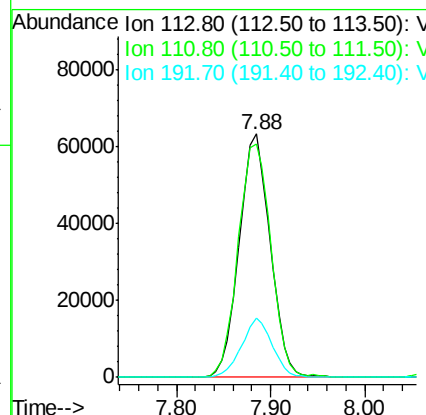
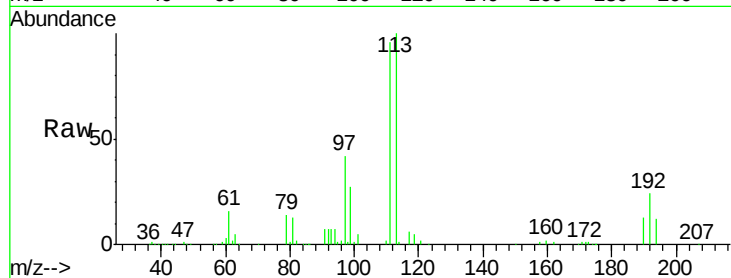
ClientSampleId :

VW0930SBSD01

Tot Ion:	113	Resp:	145387
Ion Ratio	Lower	Upper	
113	100		
111	101.3	81.9	122.9
192	23.9	19.1	28.7

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#36

1,1-Dichloropropene

Concen: 19.748 ug/l

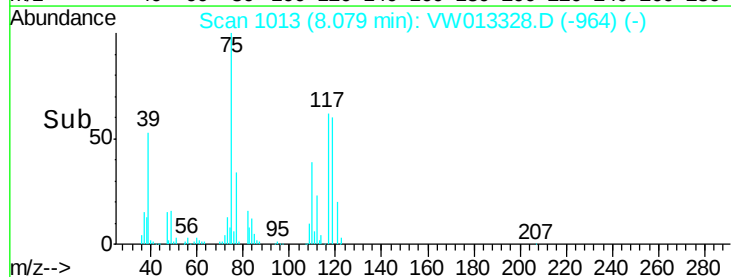
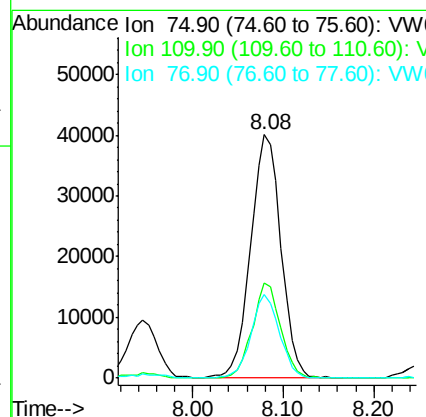
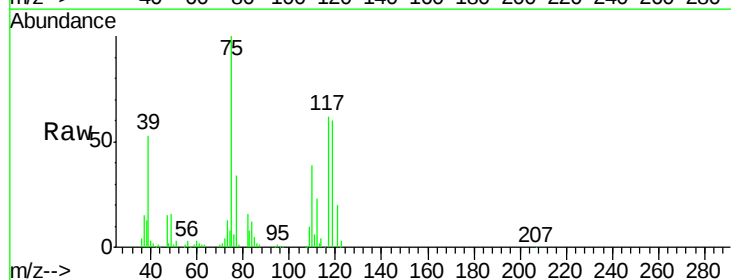
RT: 8.08 min Scan# 1013

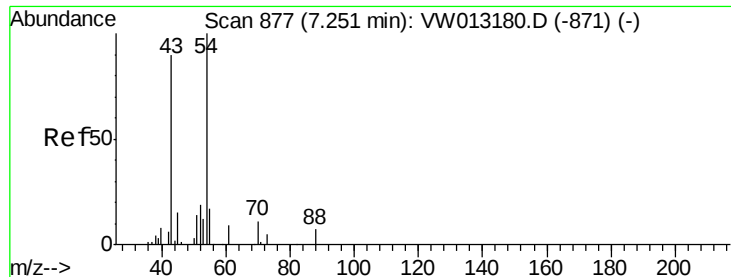
Delta R.T. -0.00 min

Lab File: VW013328.D

Acq: 30 Sep 2019 13:08

Tgt Ion:	75	Resp:	92714
Ion Ratio	Lower	Upper	
75	100		
110	36.4	18.1	54.3
77	32.3	25.8	38.6





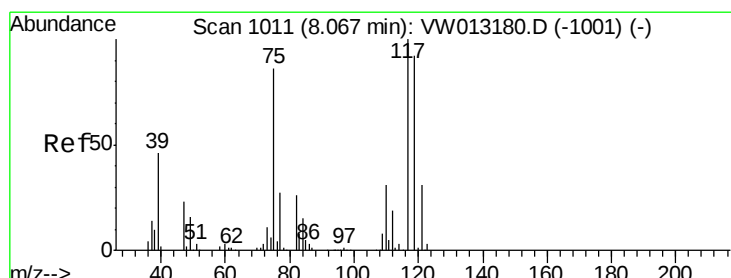
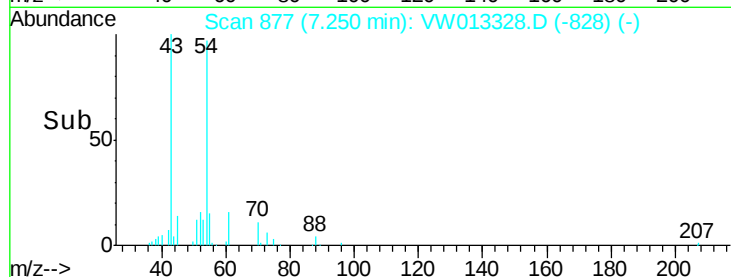
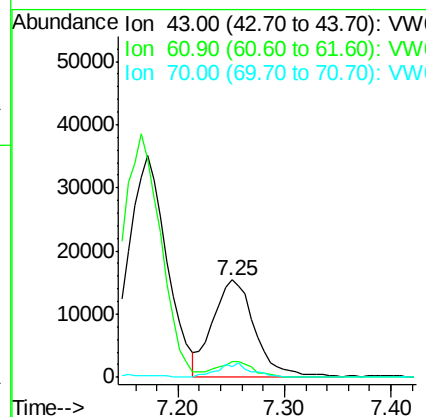
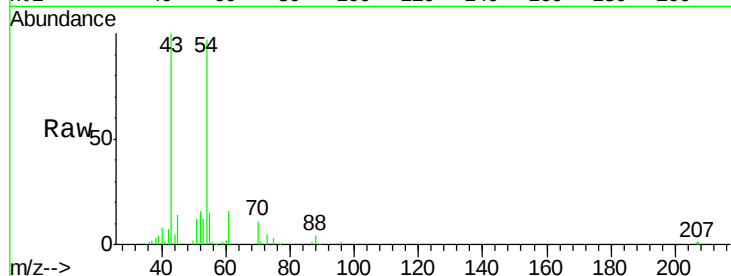
#37
Ethyl Acetate
Concen: 20.834 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW013328.D
Acq: 30 Sep 2019 13:08

Instrument :
MSVOA_W
ClientSampleID :
VW0930SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.9	10.9	16.3
70	12.0	8.2	12.2

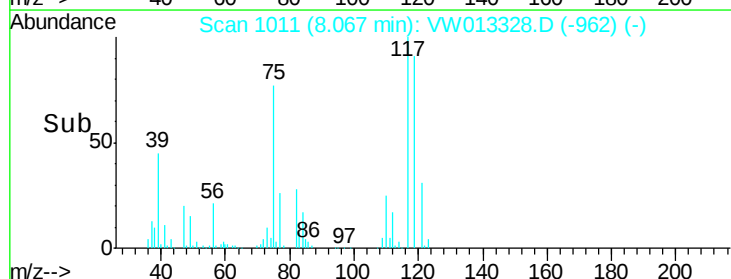
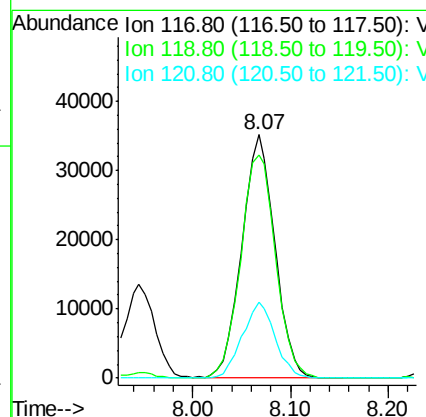
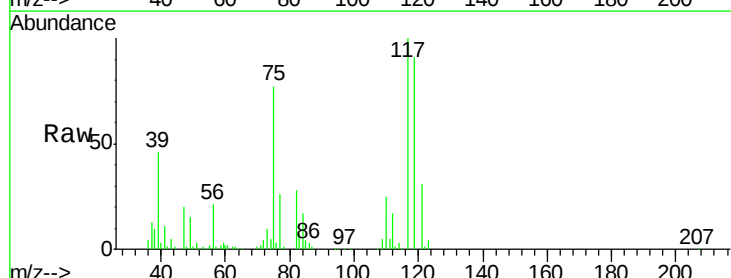
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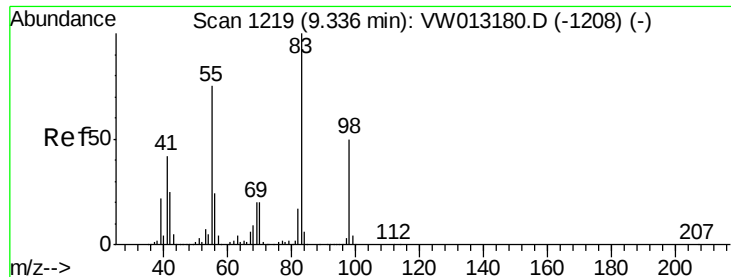
MMDadoda
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#38
Carbon Tetrachloride
Concen: 19.632 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW013328.D
Acq: 30 Sep 2019 13:08

Tgt Ion	Ratio	Lower	Upper
117	100		
119	91.4	73.5	110.3
121	30.9	25.0	37.6





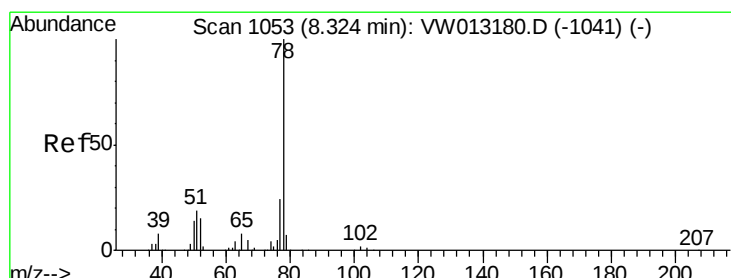
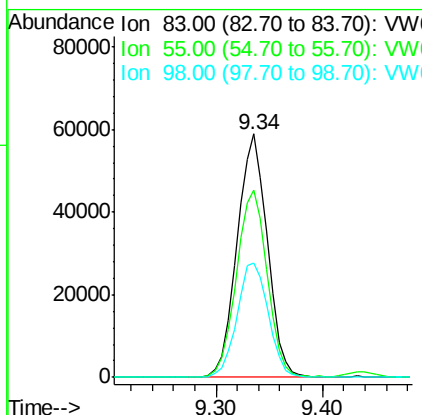
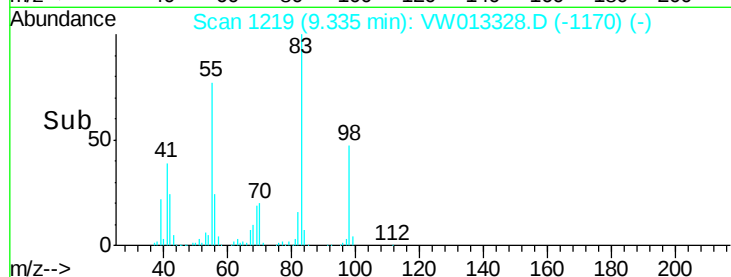
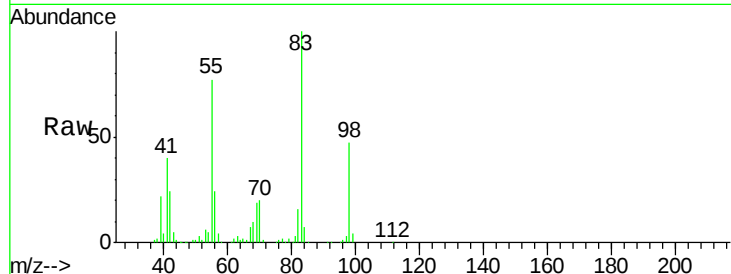
#39
Methvlcvclohexane
Concen: 19.519 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW013328.D
Acq: 30 Sep 2019 13:08

Instrument :
MSVOA_W
ClientSampleId :
VW0930SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	117765		
55	76.8		60.4	90.6
98	46.9		40.0	60.0

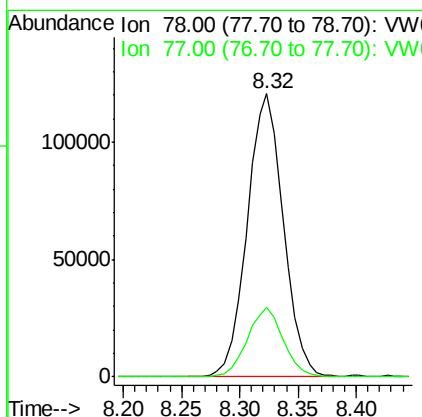
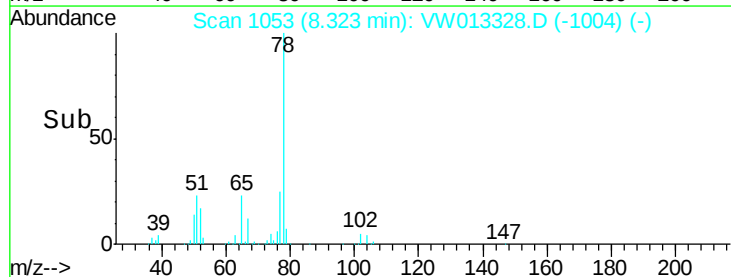
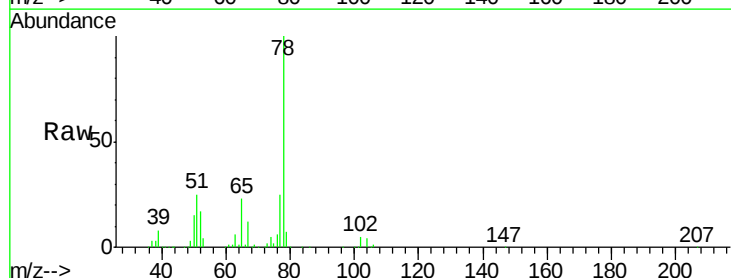
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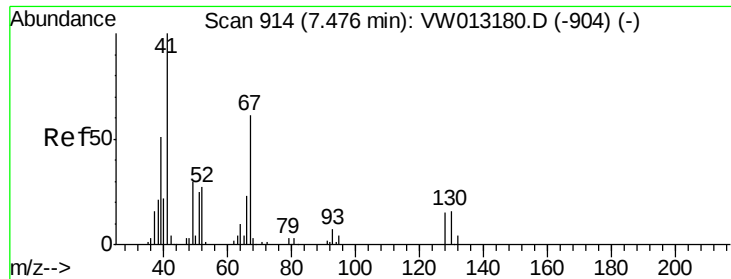
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#40
Benzene
Concen: 19.936 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW013328.D
Acq: 30 Sep 2019 13:08

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	261071		
77	24.6		19.1	28.7





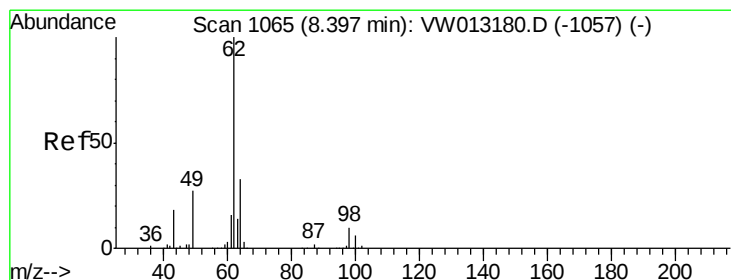
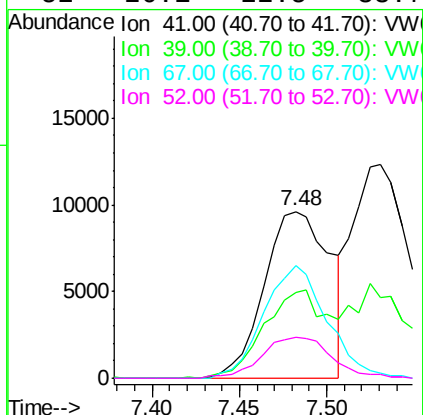
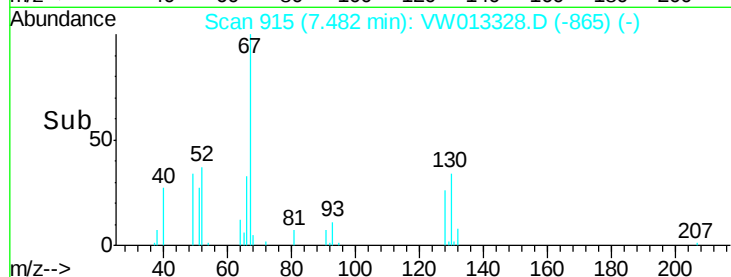
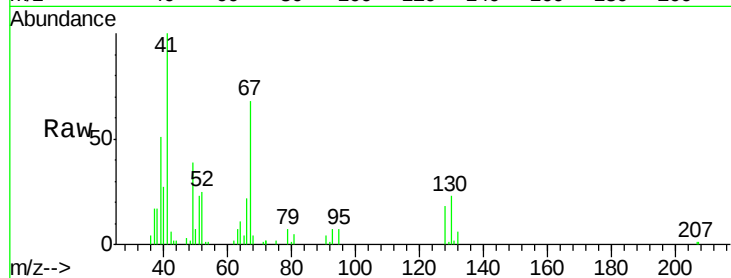
#41
Methacrylonitrile
Concen: 21.202 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.01 min
Lab File: VW013328.D
Acq: 30 Sep 2019 13:08

Instrument :
MSVOA_W
ClientSampled :
VW0930SBSD01

Tot Ion	41.00	Resp	25249
Ion	Ratio	Lower	Upper
41	100		
39	51.9	45.9	68.9
67	65.1	54.5	81.7
52	26.1	22.5	33.7

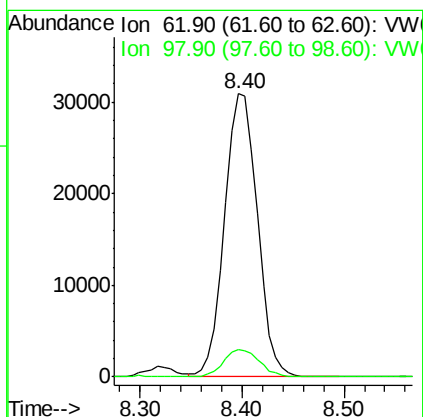
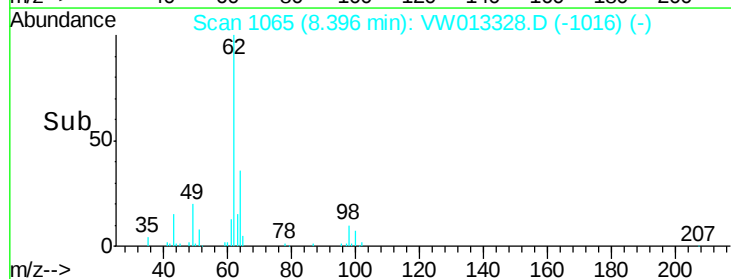
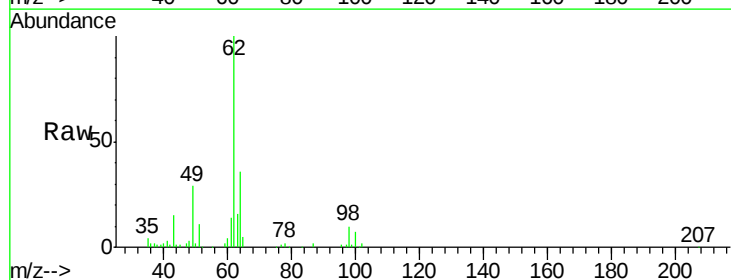
Manual Integrations
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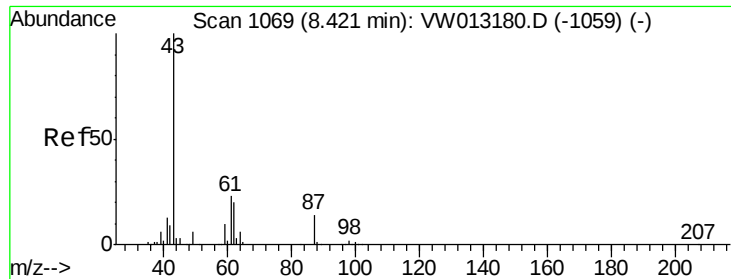
MMDadoda
10/1/2019 11:33:25 AM



#42
1,2-Dichloroethane
Concen: 19.644 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW013328.D
Acq: 30 Sep 2019 13:08

Tgt Ion	62	Resp	69154
Ion	Ratio	Lower	Upper
62	100		
98	10.5	0.0	20.6





#43

Isopropyl Acetate

Concen: 19.611 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW013328.D

Acq: 30 Sep 2019 13:08

Instrument :

MSVOA_W

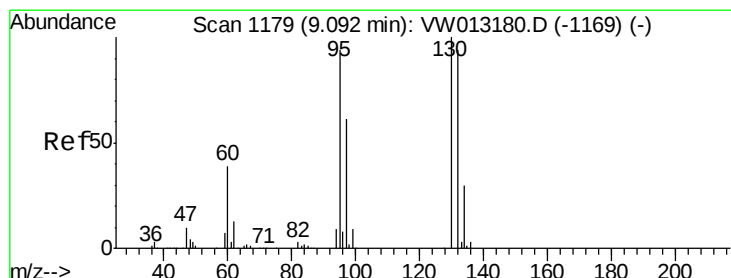
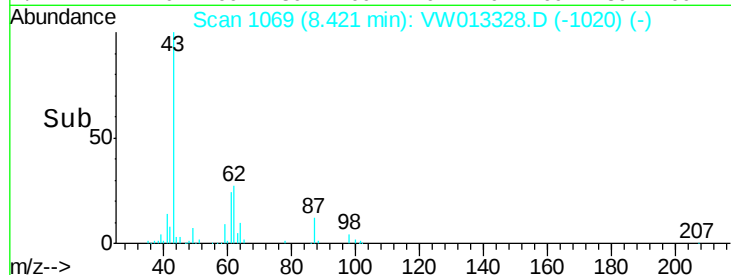
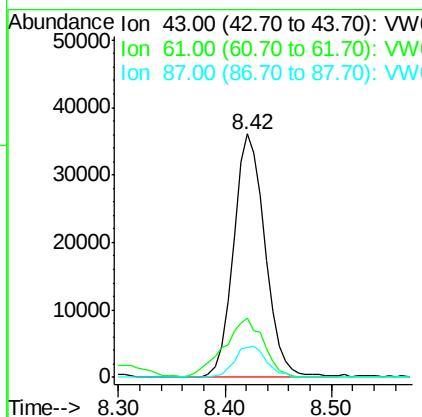
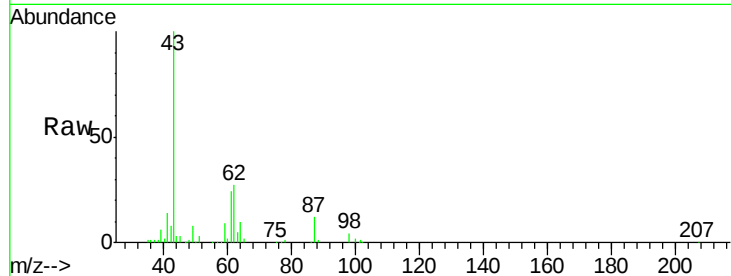
ClientSampleId :

VW0930SBSD01

Tot Ion:	43	Resp:	74995
Ion	Ratio	Lower	Upper
43	100		
61	30.5	25.5	38.3
87	13.3	11.0	16.4

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10/1/2019 11:33:25 AM



#44

Trichloroethene

Concen: 19.916 ug/l

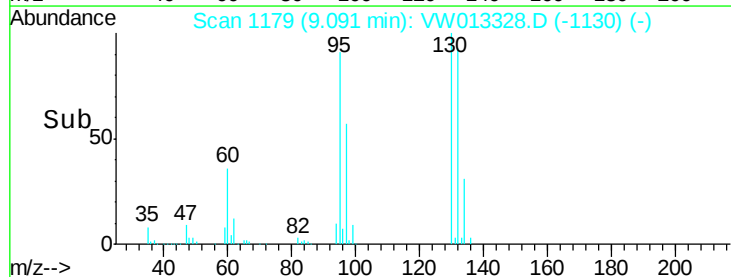
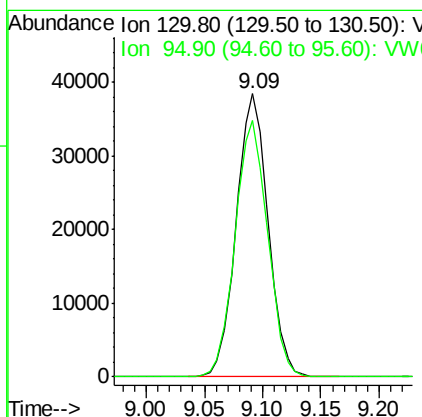
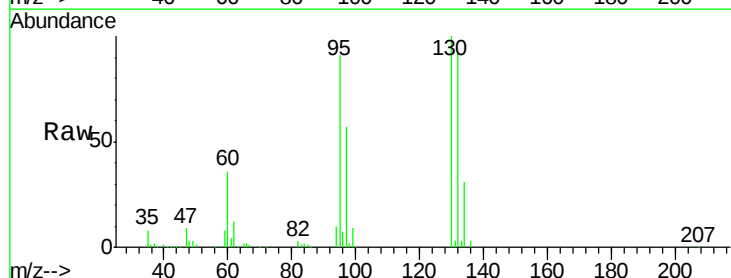
RT: 9.09 min Scan# 1179

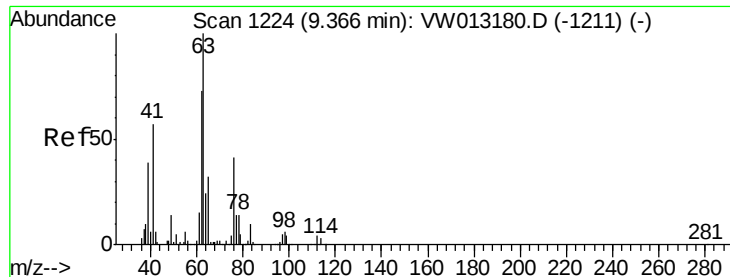
Delta R.T. -0.00 min

Lab File: VW013328.D

Acq: 30 Sep 2019 13:08

Tgt Ion:	130	Resp:	73176
Ion	Ratio	Lower	Upper
130	100		
95	90.8	0.0	188.0





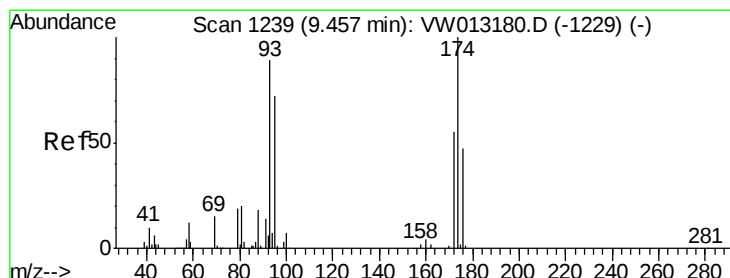
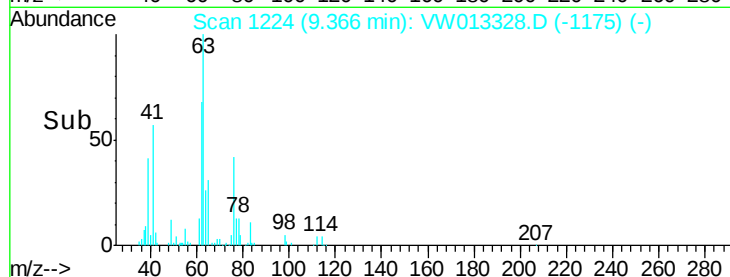
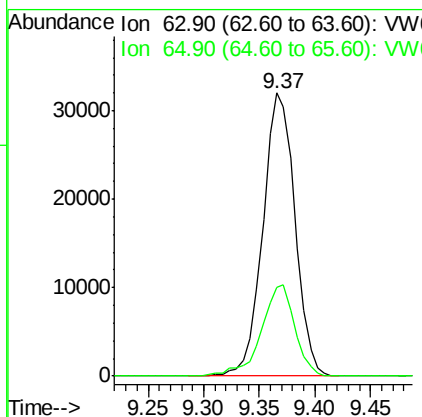
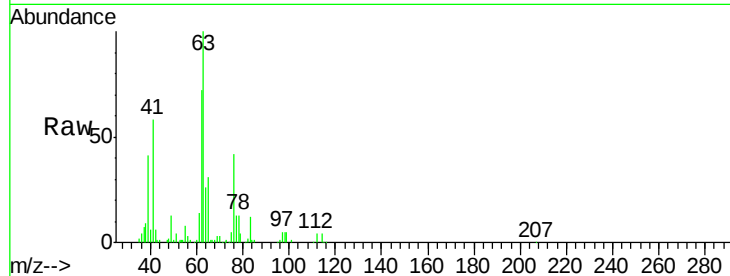
#45
 1,2-Dichloropropane
 Concen: 20.152 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW013328.D
 Acq: 30 Sep 2019 13:08

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0930SBSD01

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.5	25.3	37.9

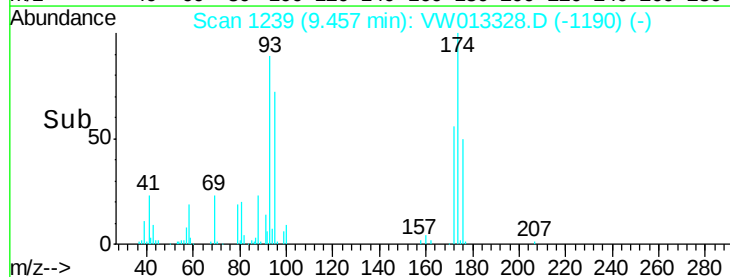
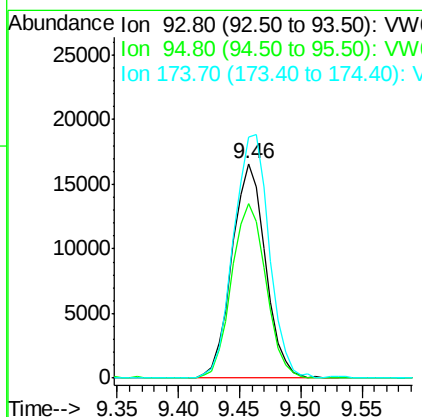
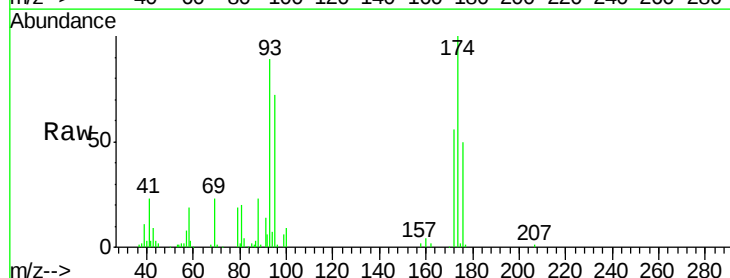
Manual Integrations
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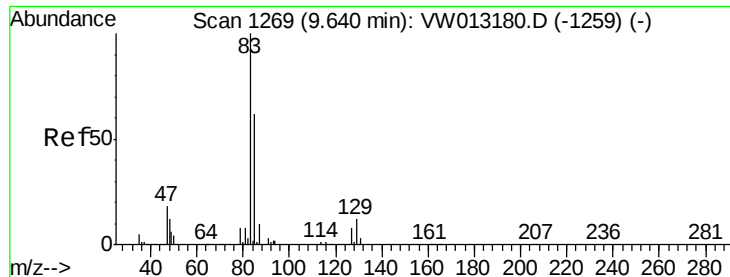
MMDadoda
 10/1/2019 11:33:25 AM



#46
 Dibromomethane
 Concen: 20.285 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW013328.D
 Acq: 30 Sep 2019 13:08

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.2	66.4	99.6
174	121.0	93.0	139.6





#47

Bromodichloromethane

Concen: 20.049 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.01 min

Lab File: VW013328.D

Acq: 30 Sep 2019 13:08

Instrument :

MSVOA_W

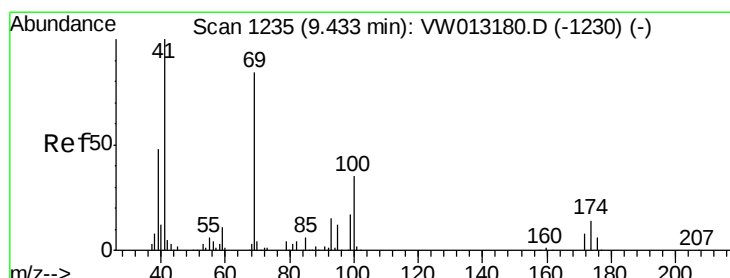
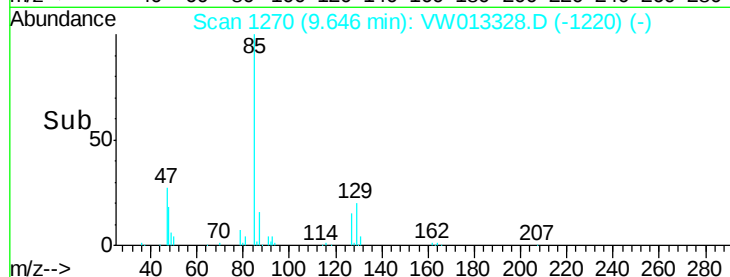
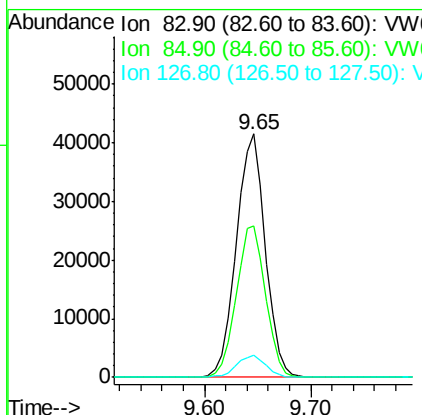
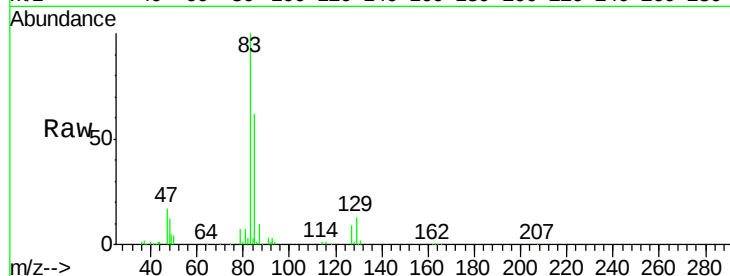
ClientSampleId :

VW0930SBSD01

Tot Ion:	83	Resp:	79185
Ion	Ratio	Lower	Upper
83	100		
85	62.1	49.4	74.2
127	9.2	6.5	9.7

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10/1/2019 11:33:25 AM



#48

Methyl methacrylate

Concen: 20.758 ug/l

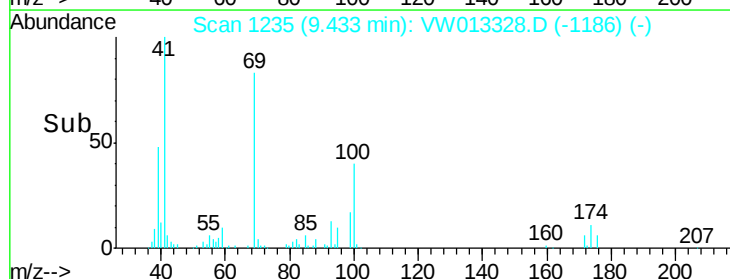
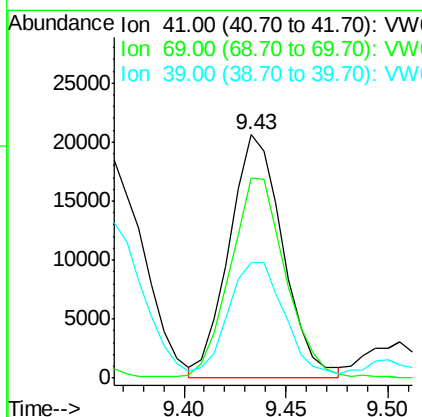
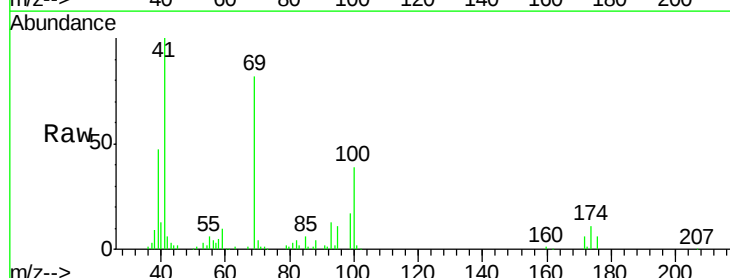
RT: 9.43 min Scan# 1235

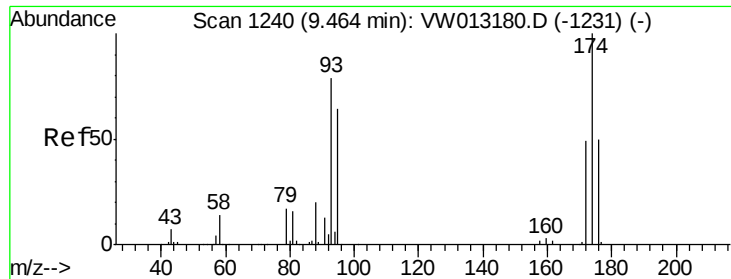
Delta R.T. -0.00 min

Lab File: VW013328.D

Acq: 30 Sep 2019 13:08

Tgt Ion:	41	Resp:	37328
Ion	Ratio	Lower	Upper
41	100		
69	85.5	69.7	104.5
39	46.8	41.1	61.7





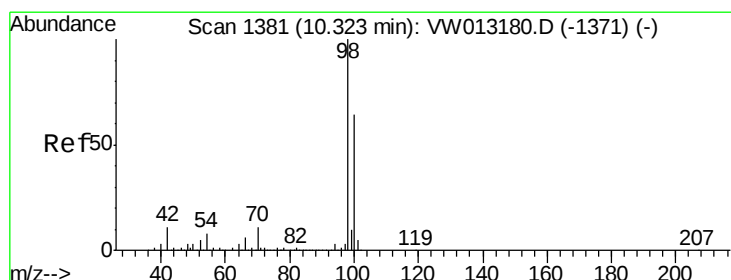
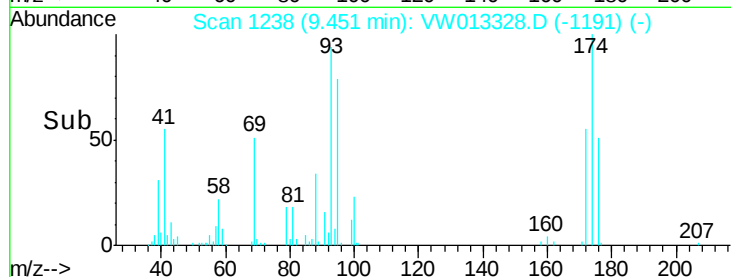
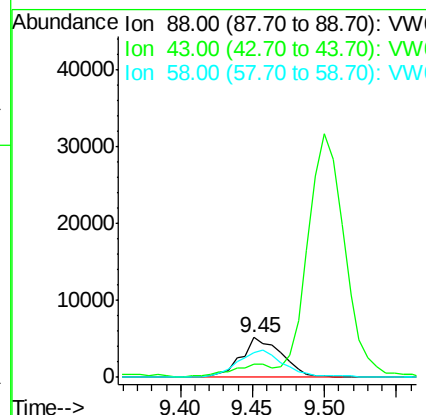
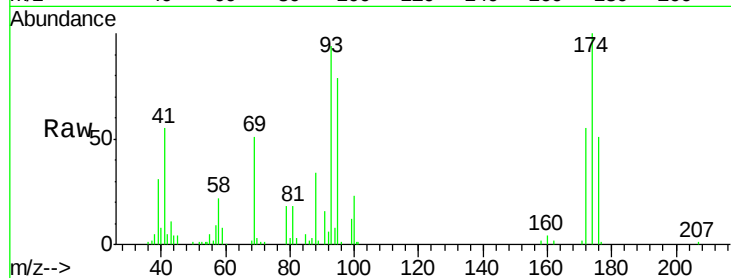
#49
1,4-Dioxane
Concen: 433.658 ug/l
RT: 9.45 min Scan# 1238
Delta R.T. -0.01 min
Lab File: VW013328.D
Acq: 30 Sep 2019 13:08

Instrument :
MSVOA_W
ClientSampleId :
VW0930SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
88	100			
43	28.4	0.0	0.0	#
58	77.8	65.4	98.0	

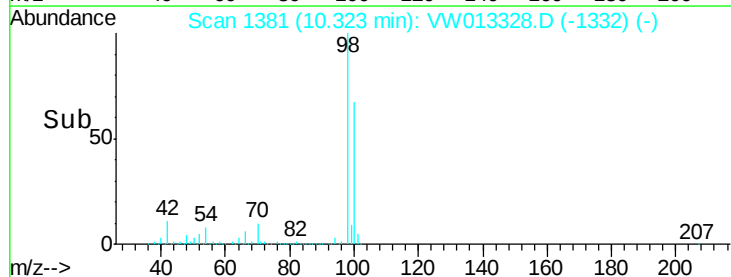
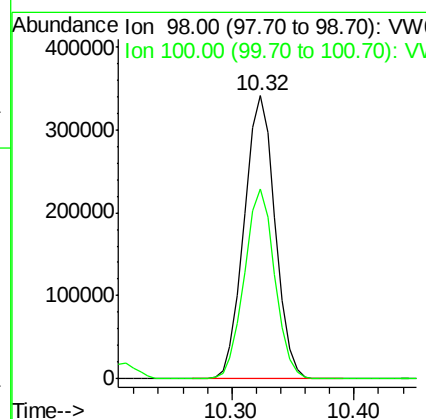
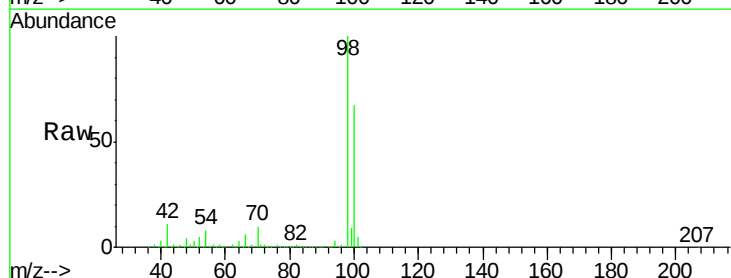
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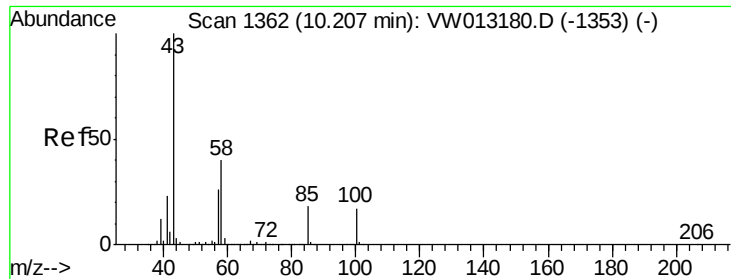
MMDadoda
10/1/2019 11:33:25 AM



#50
Toluene-d8
Concen: 53.502 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW013328.D
Acq: 30 Sep 2019 13:08

Tgt Ion	Ratio	Resp	Lower	Upper
98	100			
100	65.9	52.9	79.3	





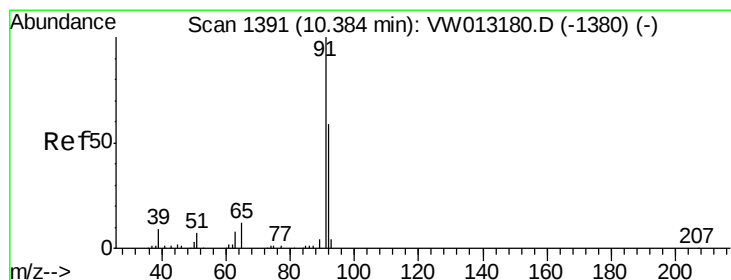
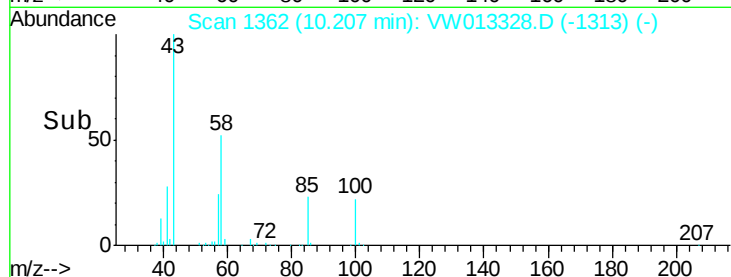
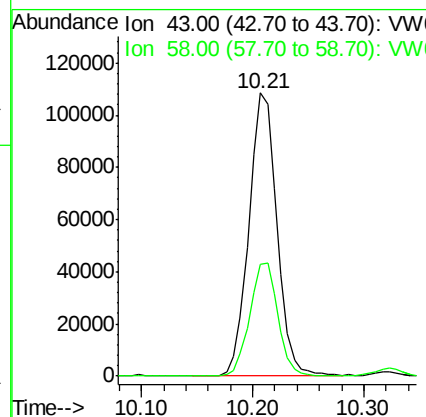
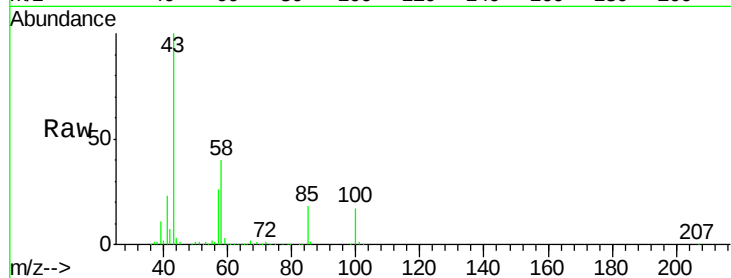
#51
4-Methyl-2-Pentanone
Concen: 99.029 ug/l
RT: 10.21 min Scan# 1362
Delta R.T. -0.00 min
Lab File: VW013328.D
Acq: 30 Sep 2019 13:08

Instrument :
MSVOA_W
ClientSampleId :
VW0930SBSD01

Tot Ion: 43 Resp: 189854
Ion Ratio Lower Upper
43 100
58 40.4 31.7 47.5

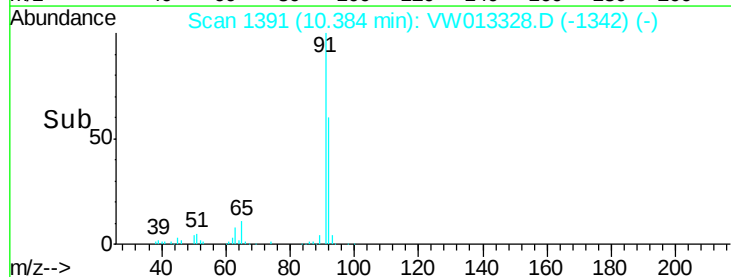
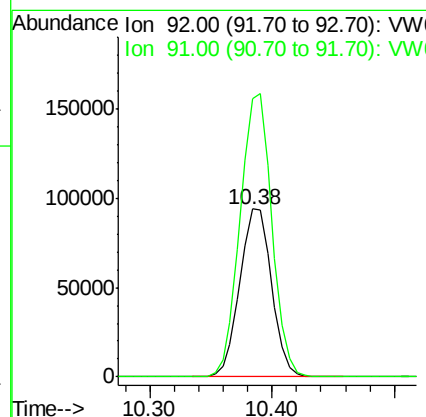
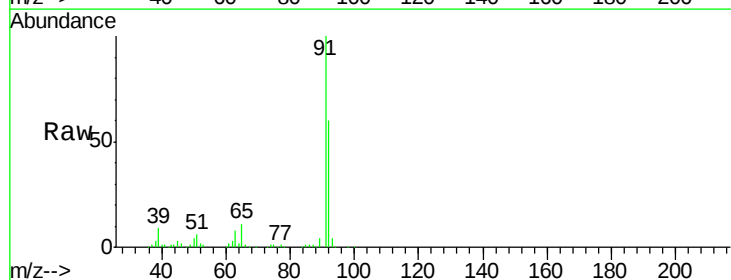
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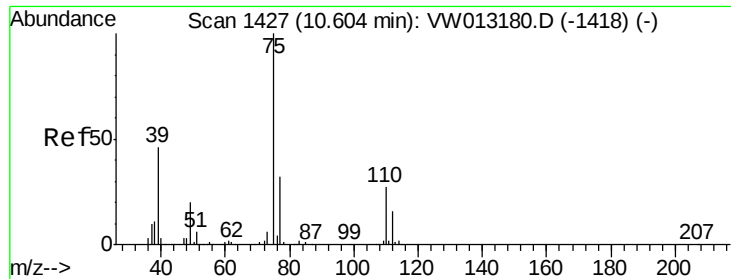
MMDadoda
10/1/2019 11:33:25 AM



#52
Toluene
Concen: 20.167 ug/l
RT: 10.38 min Scan# 1391
Delta R.T. -0.00 min
Lab File: VW013328.D
Acq: 30 Sep 2019 13:08

Tgt Ion: 92 Resp: 169255
Ion Ratio Lower Upper
92 100
91 168.4 135.7 203.5





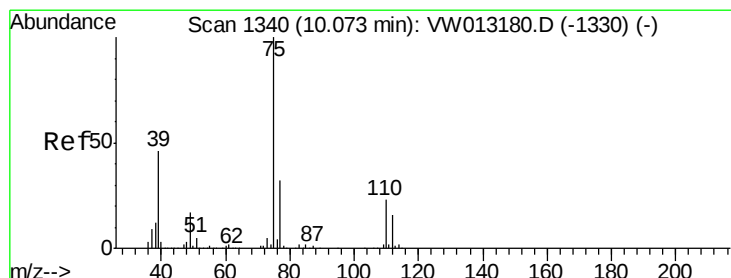
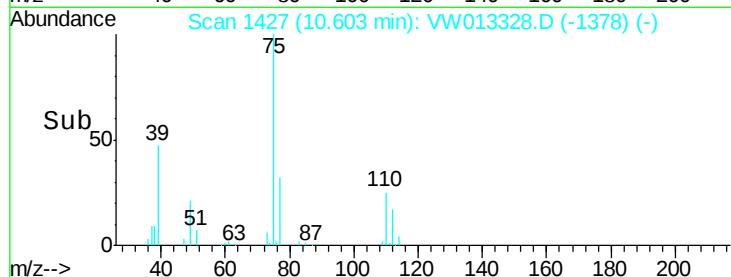
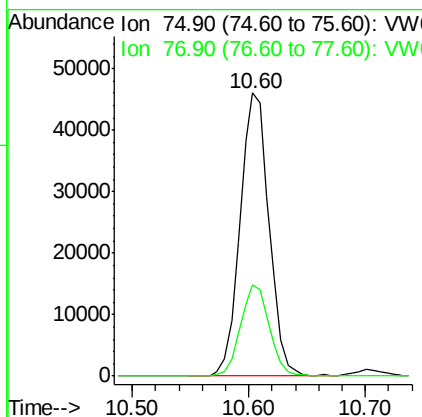
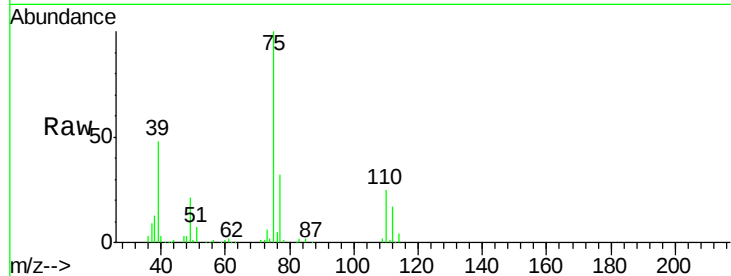
#53
t-1,3-Dichloropropene
Concen: 19.690 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. -0.00 min
Lab File: VW013328.D
Acq: 30 Sep 2019 13:08

Instrument :
MSVOA_W
ClientSampleId :
VW0930SBS01

Tot Ion: 75 Resp: 79897
Ion Ratio Lower Upper
75 100
77 32.3 25.5 38.3

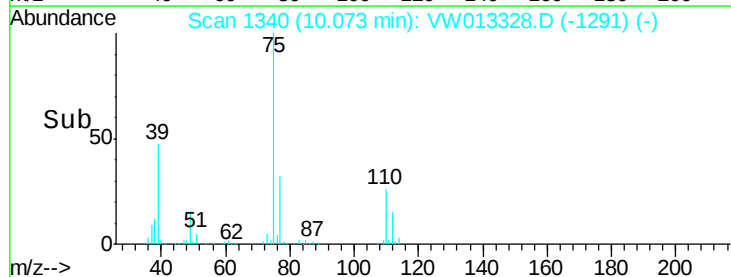
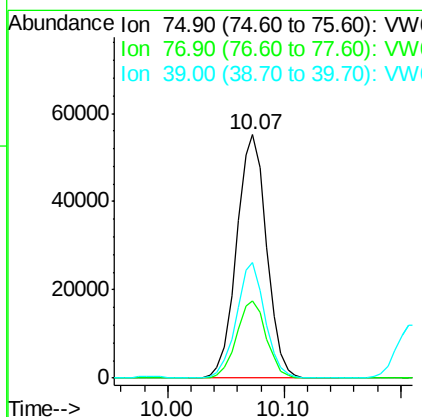
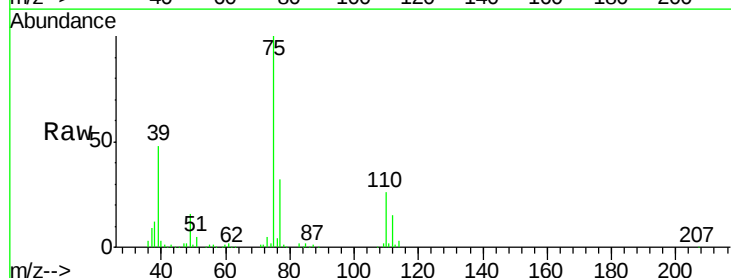
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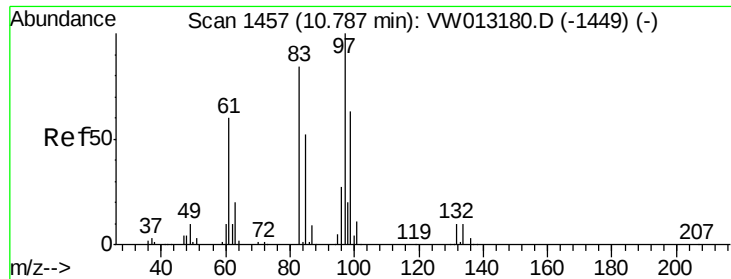
MMDadoda
10/1/2019 11:33:25 AM



#54
cis-1,3-Dichloropropene
Concen: 20.108 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VW013328.D
Acq: 30 Sep 2019 13:08

Tgt Ion: 75 Resp: 99208
Ion Ratio Lower Upper
75 100
77 31.7 25.2 37.8
39 47.5 36.6 55.0





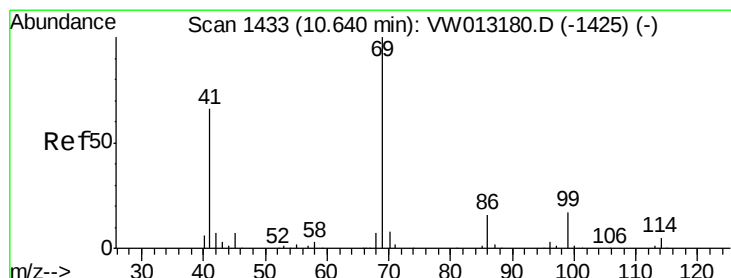
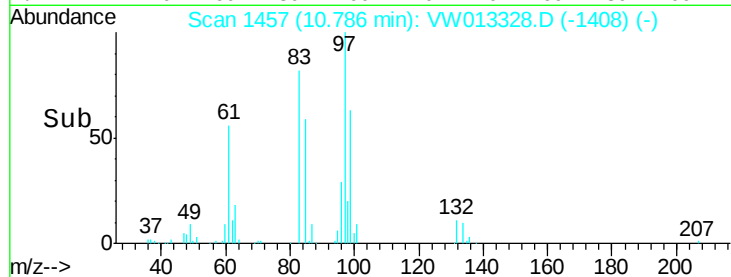
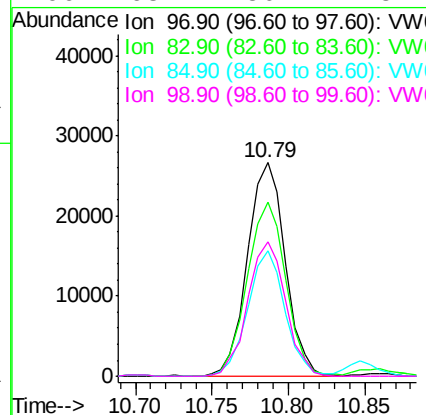
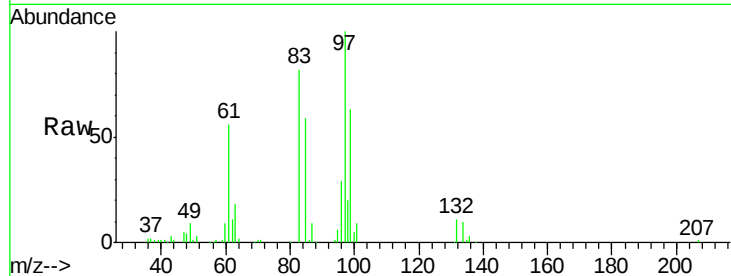
#55
 1,1,2-Trichloroethane
 Concen: 19.695 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW013328.D
 Acq: 30 Sep 2019 13:08

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0930SBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		45693		
83	81.7	67.6	101.4		
85	58.4	41.9	62.9		
99	63.1	50.1	75.1		

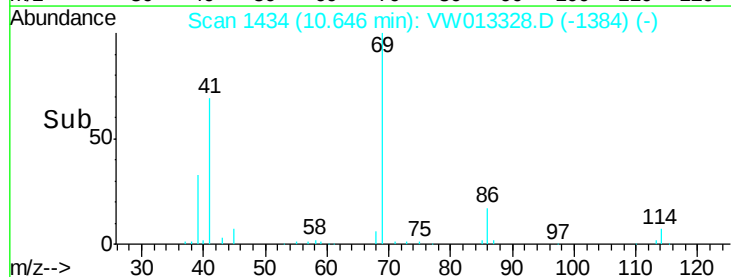
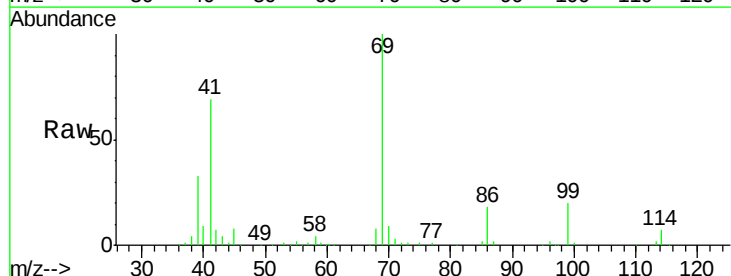
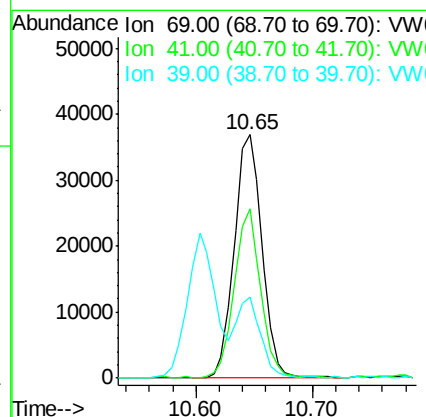
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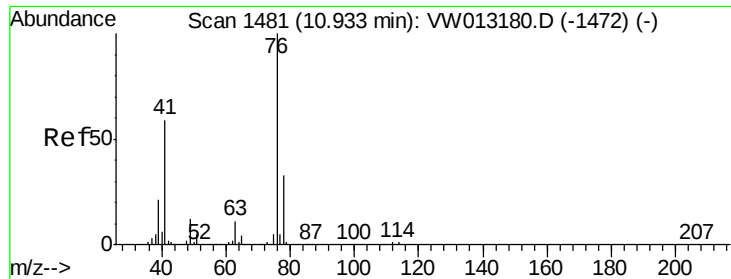
MMDadoda
 10/1/2019 11:33:25 AM



#56
 Ethyl methacrylate
 Concen: 20.231 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.01 min
 Lab File: VW013328.D
 Acq: 30 Sep 2019 13:08

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		61427		
41	65.1	53.9	80.9		
39	29.1	23.8	35.6		





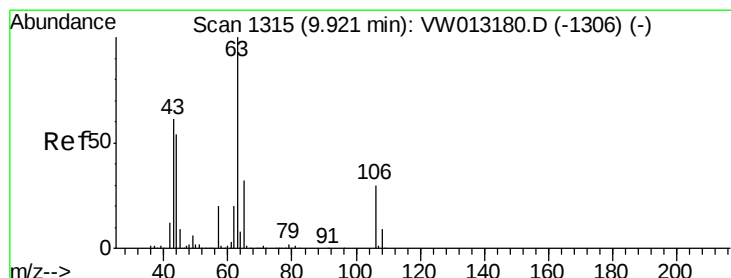
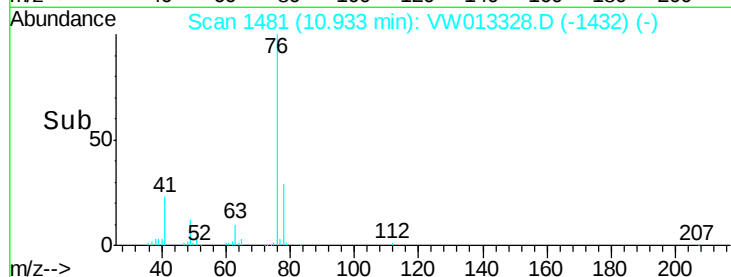
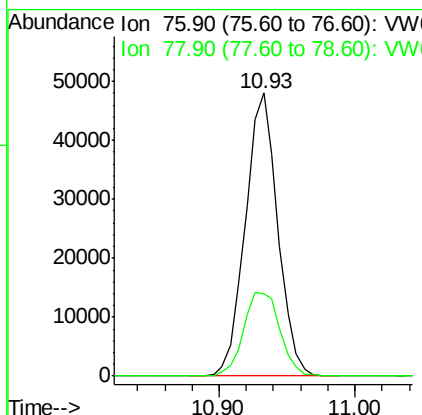
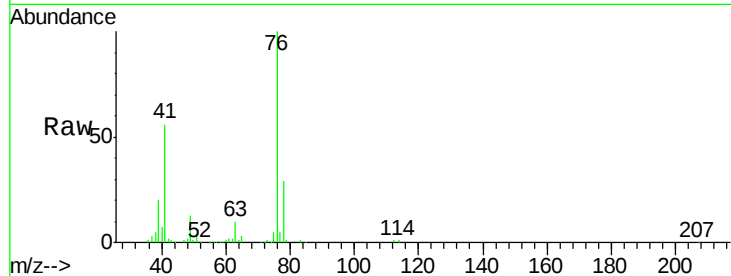
#57
 1,3-Dichloropropane
 Concen: 19.746 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW013328.D
 Acq: 30 Sep 2019 13:08

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0930SBSD01

Tot Ion: 76 Resp: 79943
 Ion Ratio Lower Upper
 76 100
 78 33.4 25.5 38.3

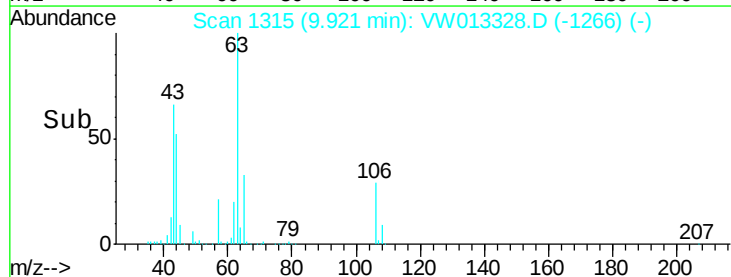
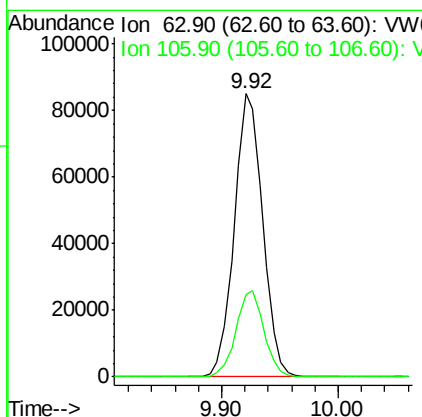
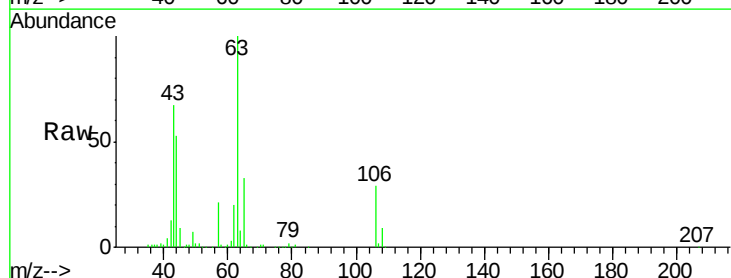
Manual Integrations
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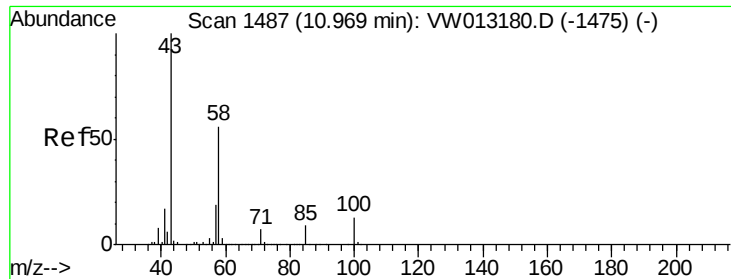
MMDadoda
 10/1/2019 11:33:25 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 102.960 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW013328.D
 Acq: 30 Sep 2019 13:08

Tgt Ion: 63 Resp: 144724
 Ion Ratio Lower Upper
 63 100
 106 30.1 23.4 35.0





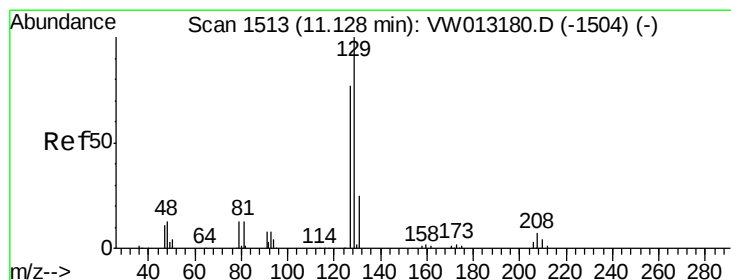
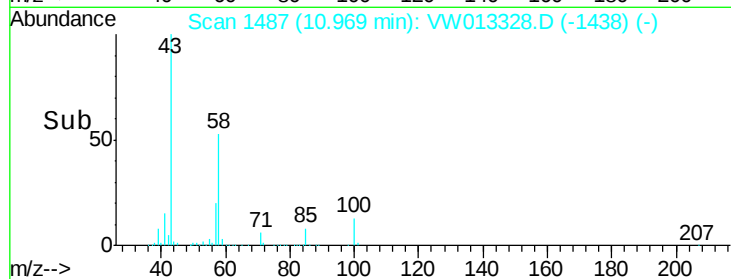
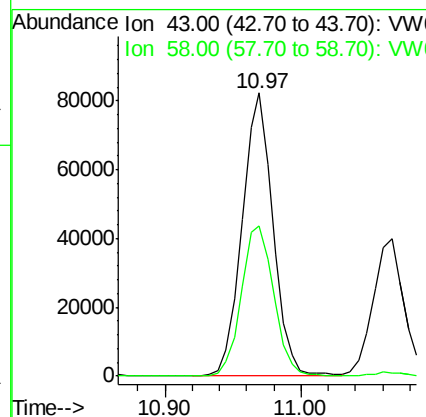
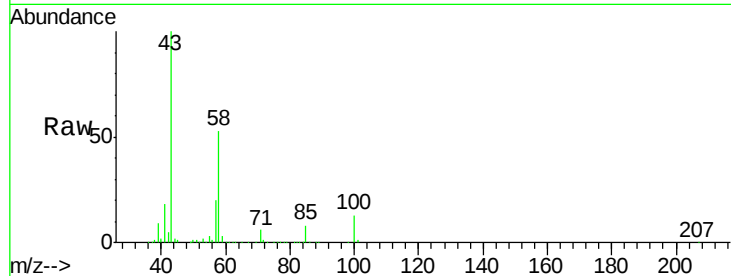
#59
2-Hexanone
Concen: 98.800 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW013328.D
Acq: 30 Sep 2019 13:08

Instrument :
MSVOA_W
ClientSampleId :
VW0930SBS01

Tot Ion: 43 Resp: 130317
Ion Ratio Lower Upper
43 100
58 56.0 28.1 84.2

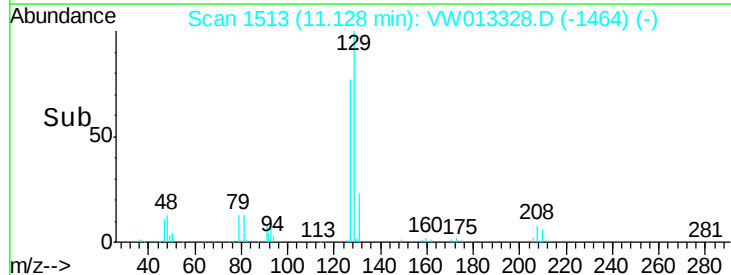
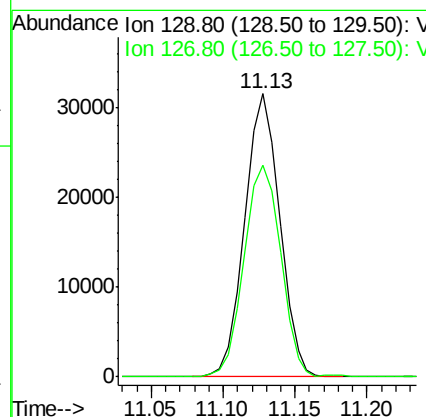
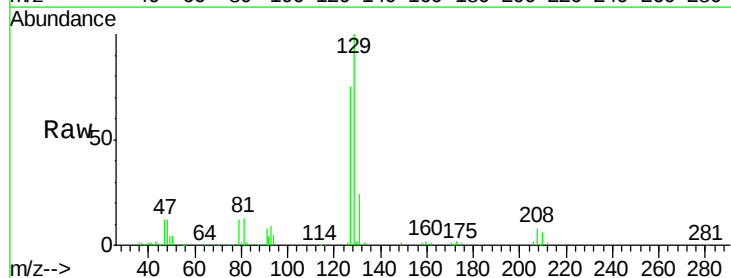
Manual Integrations
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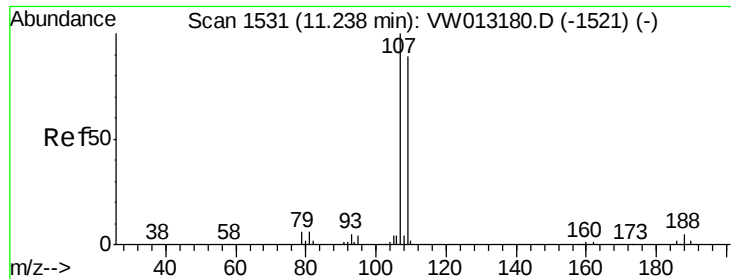
MMDadoda
10/1/2019 11:33:25 AM



#60
Dibromochloromethane
Concen: 20.206 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW013328.D
Acq: 30 Sep 2019 13:08

Tgt Ion: 129 Resp: 53229
Ion Ratio Lower Upper
129 100
127 78.7 38.8 116.4





#61

1,2-Dibromoethane

Concen: 20.043 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. -0.00 min

Lab File: VW013328.D

Acq: 30 Sep 2019 13:08

Instrument :

MSVOA_W

ClientSampleId :

VW0930SBSD01

Tot Ion: 107 Resp: 44212

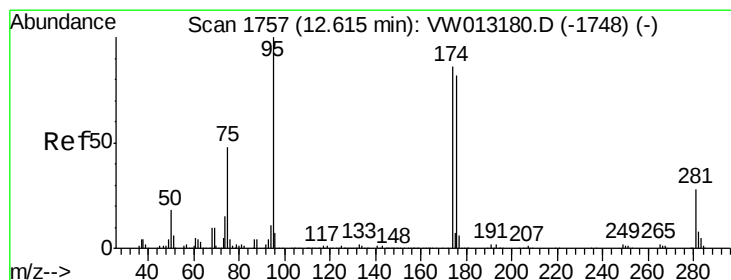
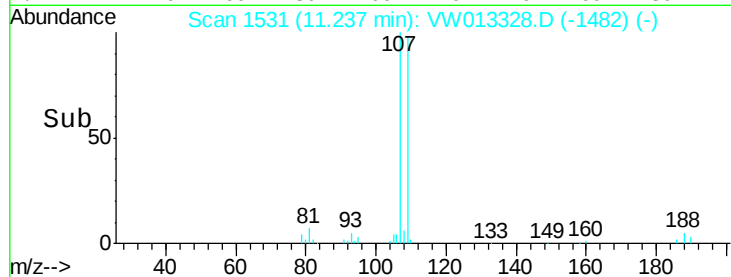
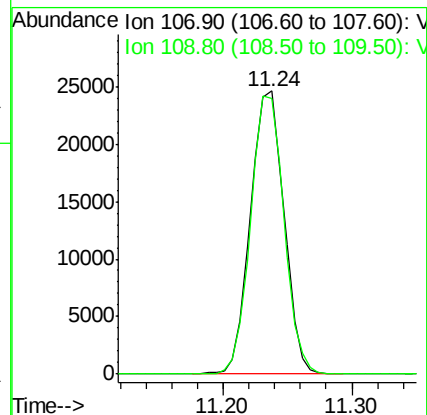
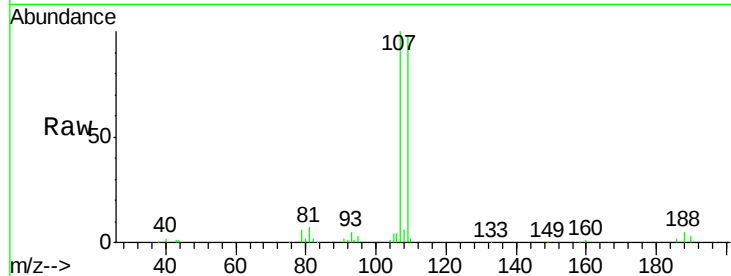
Ion Ratio Lower Upper

107 100

109 97.7 75.2 112.8

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#62

4-Bromofluorobenzene

Concen: 53.878 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW013328.D

Acq: 30 Sep 2019 13:08

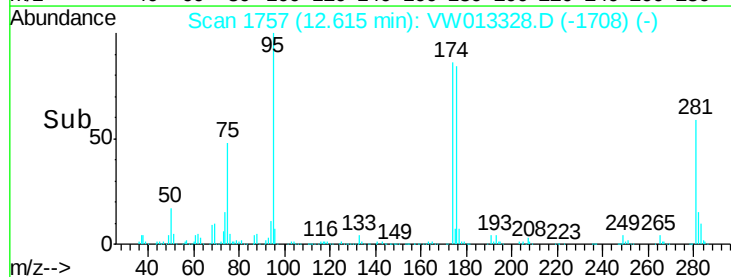
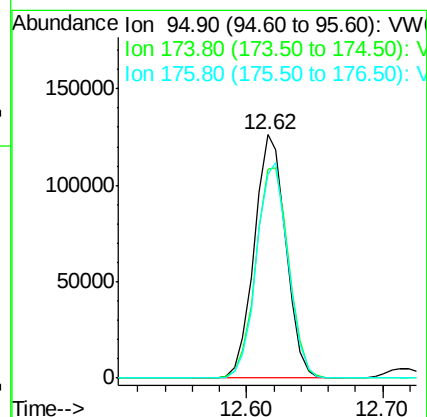
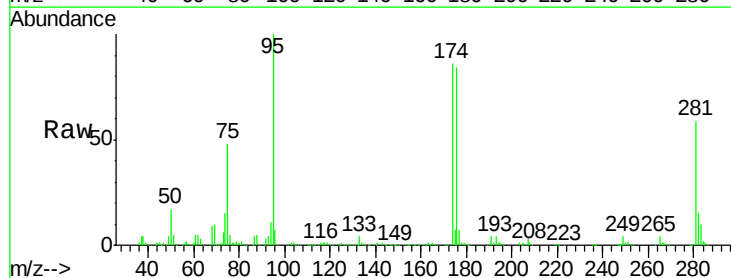
Tgt Ion: 95 Resp: 205342

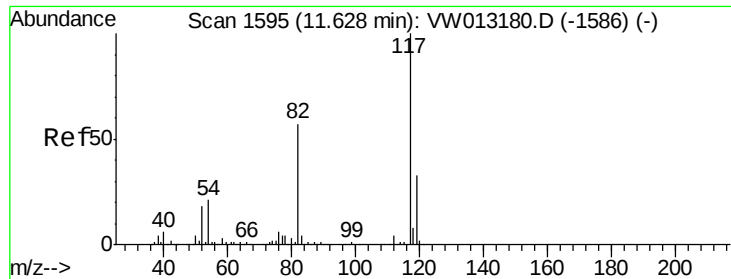
Ion Ratio Lower Upper

95 100

174 90.4 0.0 178.4

176 88.1 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: VW013328.D

Acq: 30 Sep 2019 13:08

Instrument :

MSVOA_W

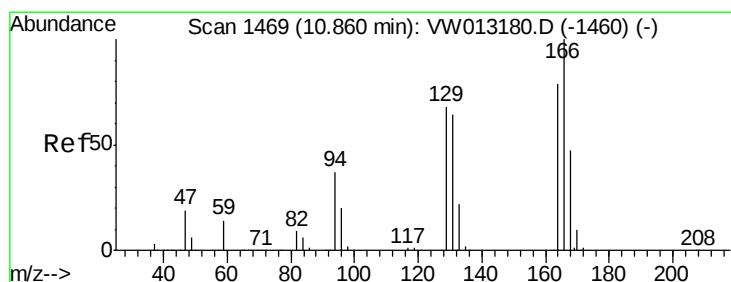
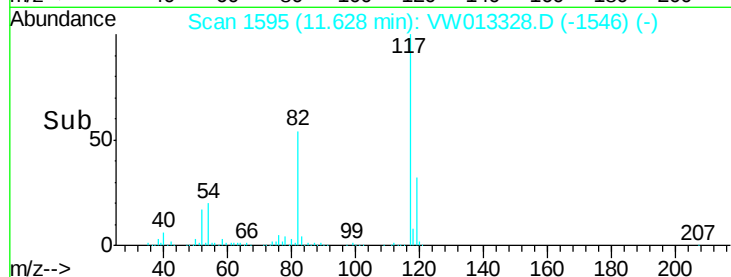
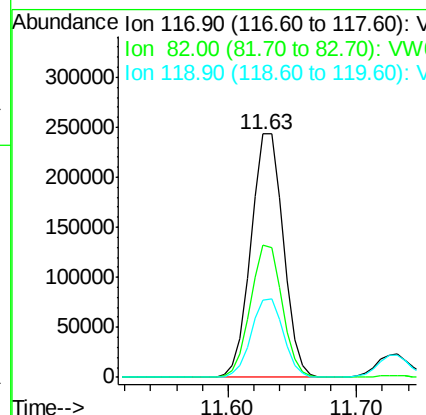
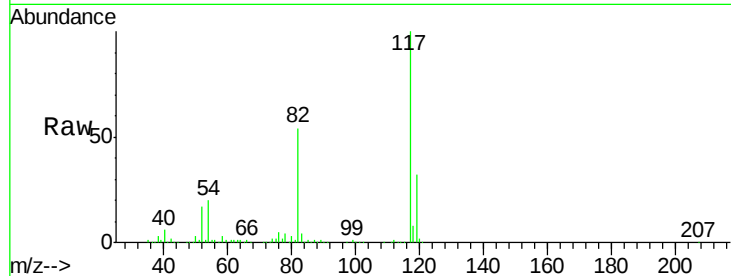
ClientSampleId :

VW0930SBSD01

Tot Ion:	117	Resp:	420412
Ion Ratio	Lower	Upper	
117	100		
82	54.4	45.9	68.9
119	31.5	26.2	39.2

Manual Integrations
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#64

Tetrachloroethene

Concen: 20.234 ug/l

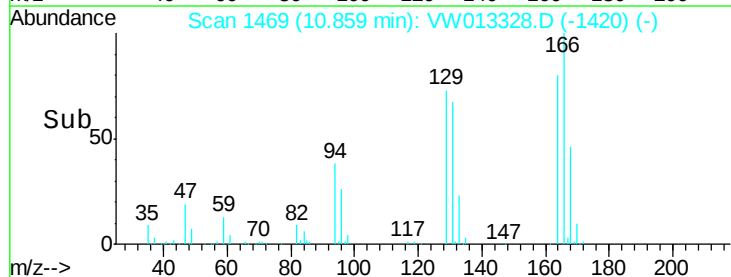
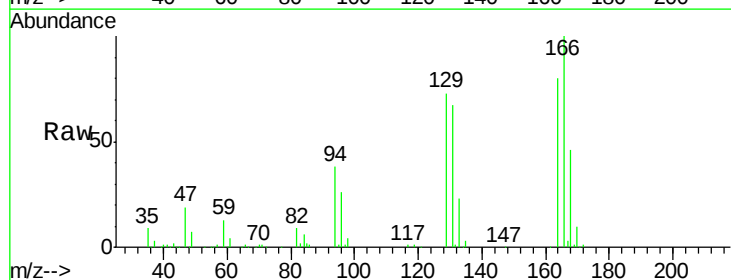
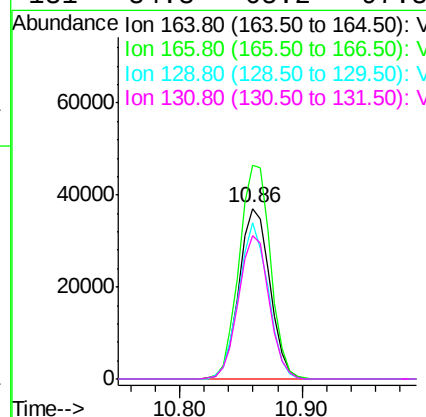
RT: 10.86 min Scan# 1469

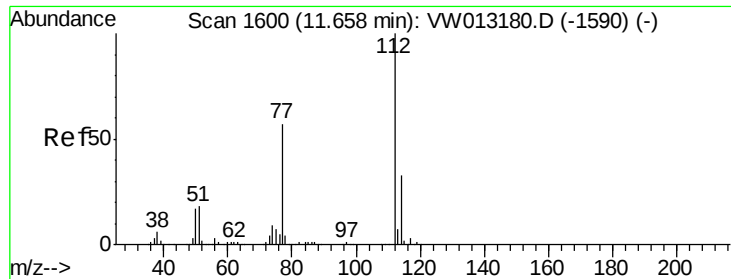
Delta R.T. -0.00 min

Lab File: VW013328.D

Acq: 30 Sep 2019 13:08

Tgt Ion:	164	Resp:	64542
Ion Ratio	Lower	Upper	
164	100		
166	125.2	101.2	151.8
129	91.9	68.8	103.2
131	84.3	65.2	97.8





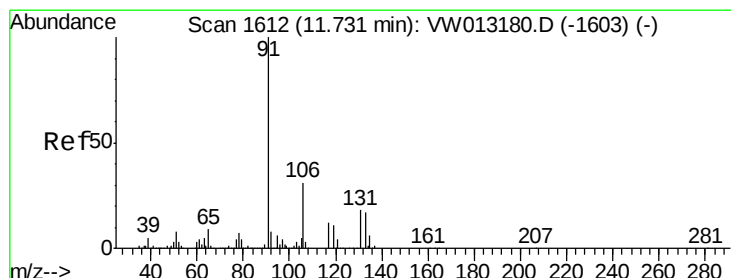
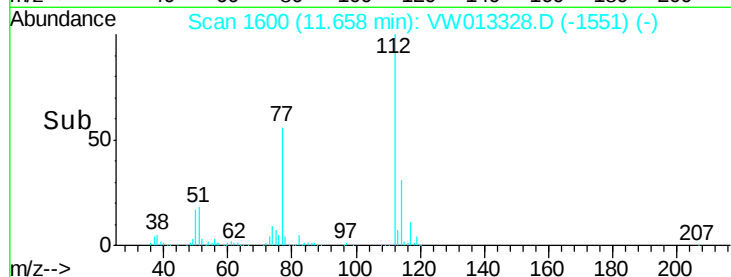
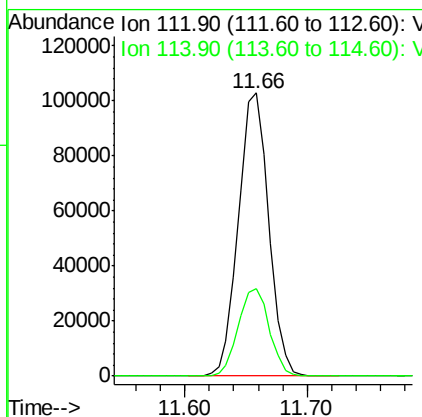
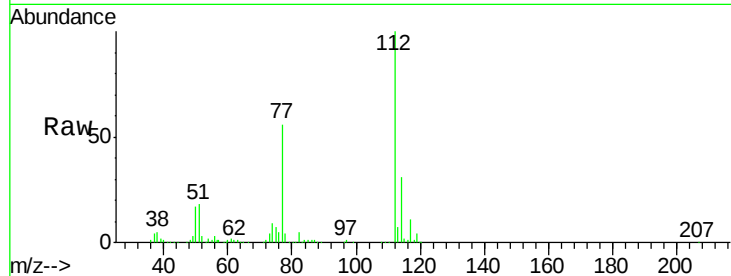
#65
Chlorobenzene
Concen: 20.126 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW013328.D
Acq: 30 Sep 2019 13:08

Instrument :
MSVOA_W
ClientSampleId :
VW0930SBSD01

Tot Ion:112 Resp: 176687
Ion Ratio Lower Upper
112 100
114 30.9 26.5 39.7

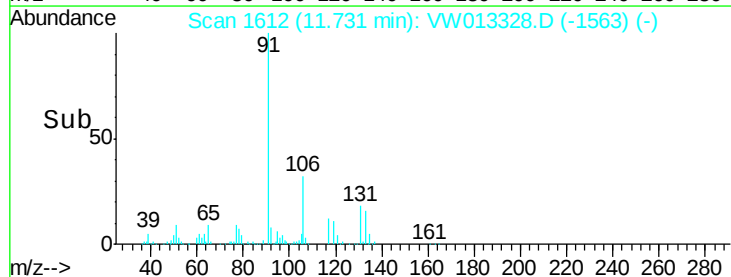
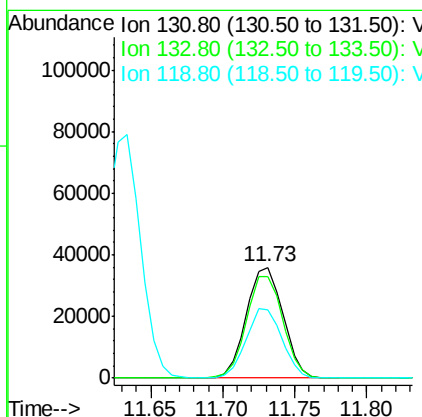
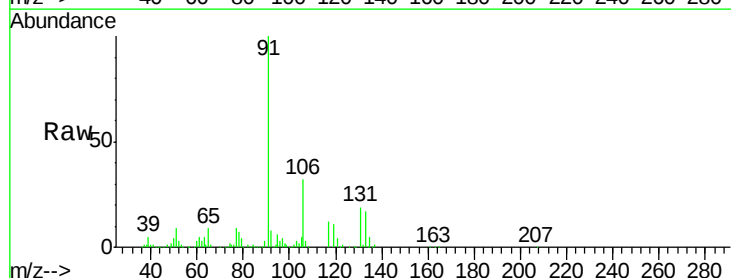
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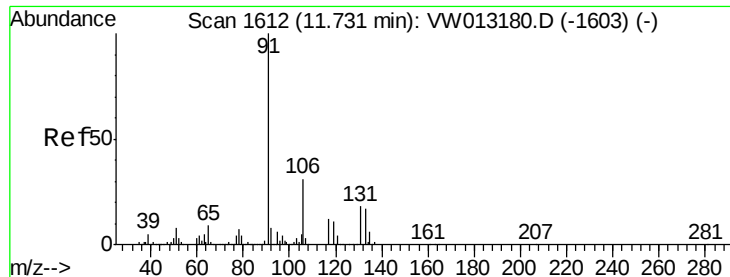
MMDadoda
10/1/2019 11:33:25 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 21.046 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW013328.D
Acq: 30 Sep 2019 13:08

Tgt Ion:131 Resp: 63121
Ion Ratio Lower Upper
131 100
133 92.6 47.5 142.6
119 61.9 32.5 97.5





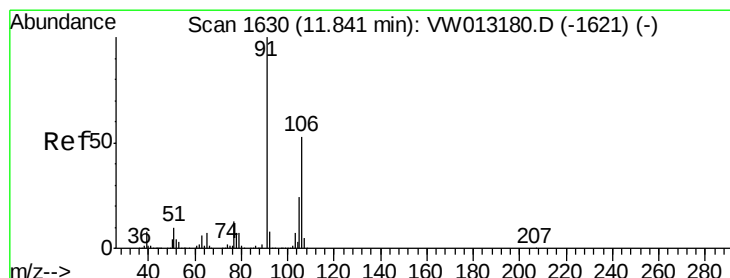
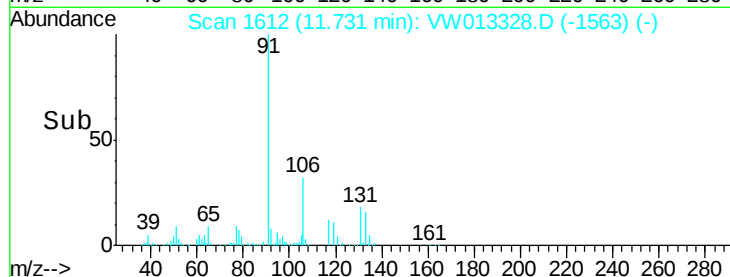
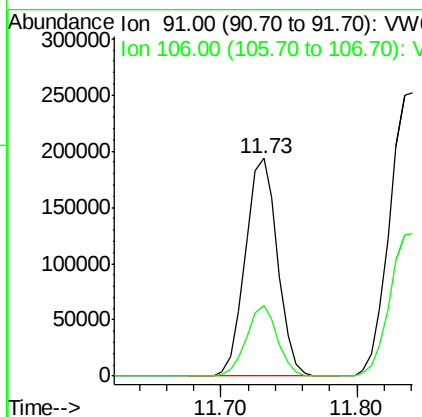
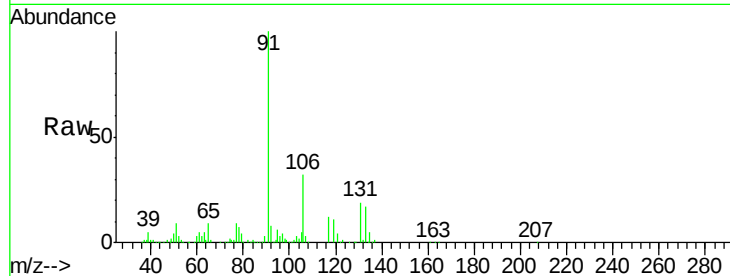
#67
Ethyl Benzene
Concen: 20.191 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW013328.D
Acq: 30 Sep 2019 13:08

Instrument :
MSVOA_W
ClientSampleId :
VW0930SBSD01

Tot Ion: 91 Resp: 321170
Ion Ratio Lower Upper
91 100
106 32.4 24.9 37.3

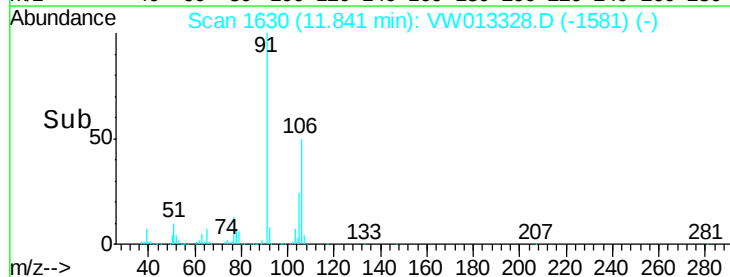
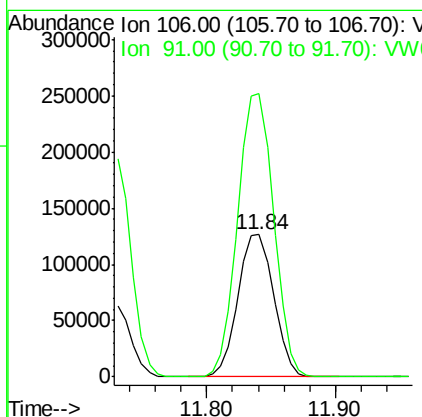
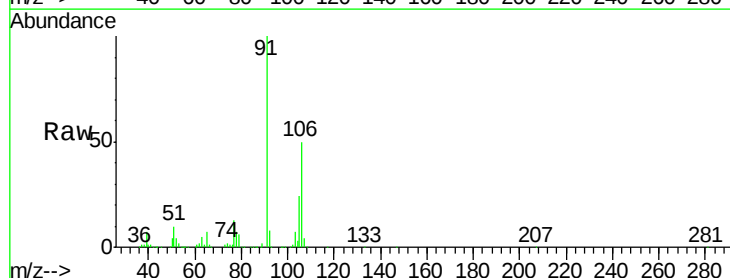
Manual Integrations
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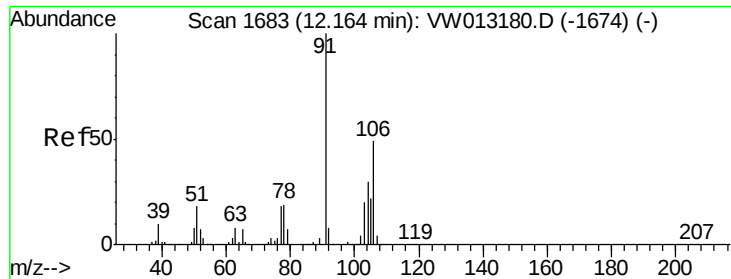
MMDadoda
10/1/2019 11:33:25 AM



#68
m/p-Xylenes
Concen: 40.367 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW013328.D
Acq: 30 Sep 2019 13:08

Tgt Ion: 106 Resp: 244684
Ion Ratio Lower Upper
106 100
91 199.4 157.9 236.9





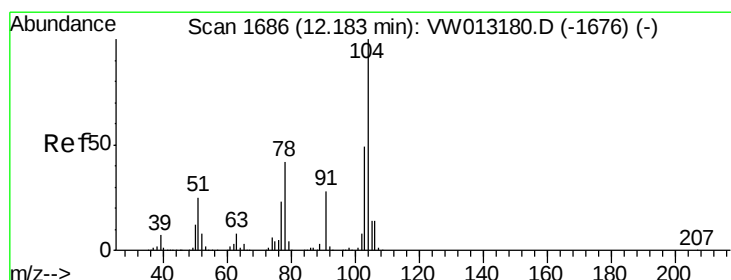
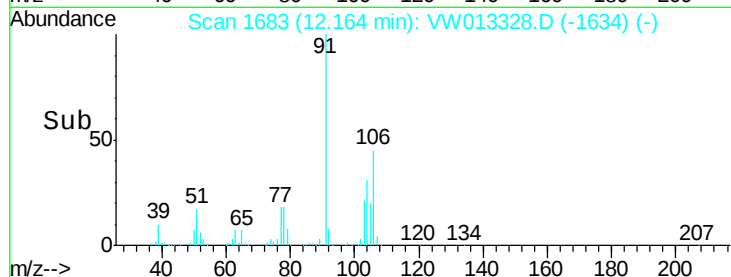
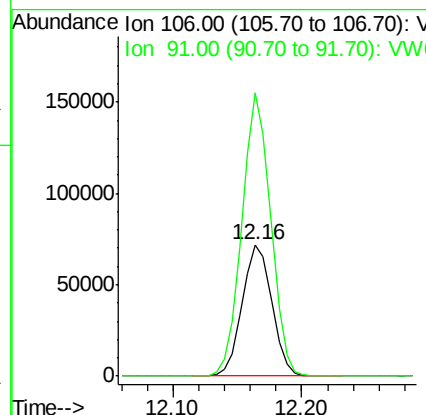
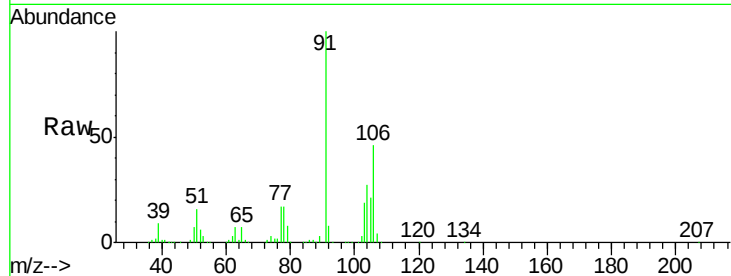
#69
o-Xylene
Concen: 20.263 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW013328.D
Acq: 30 Sep 2019 13:08

Instrument :
MSVOA_W
ClientSampleId :
VW0930SBSD01

Tot Ion	Ratio	Lower	Upper
106	100		
91	209.2	106.5	319.5

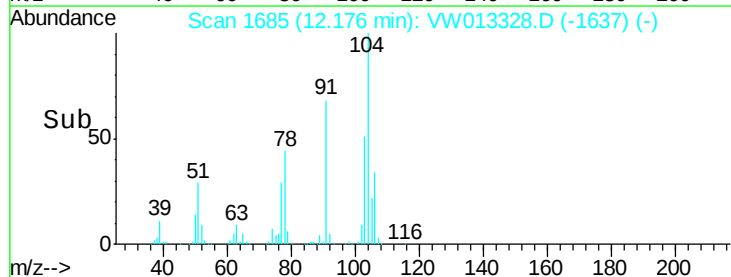
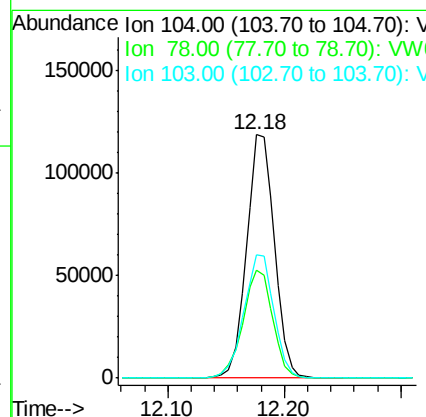
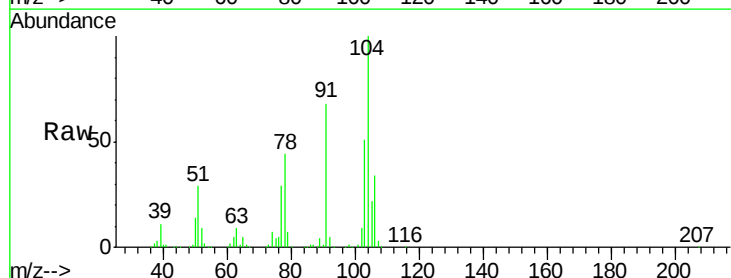
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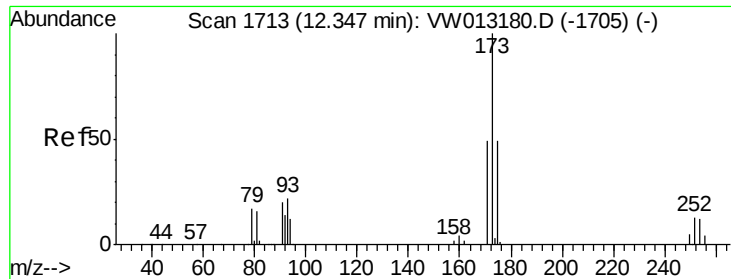
MMDadoda
10/1/2019 11:33:25 AM



#70
Styrene
Concen: 20.518 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. -0.01 min
Lab File: VW013328.D
Acq: 30 Sep 2019 13:08

Tgt Ion	Ratio	Lower	Upper
104	100		
78	47.2	38.4	57.6
103	54.3	43.3	64.9





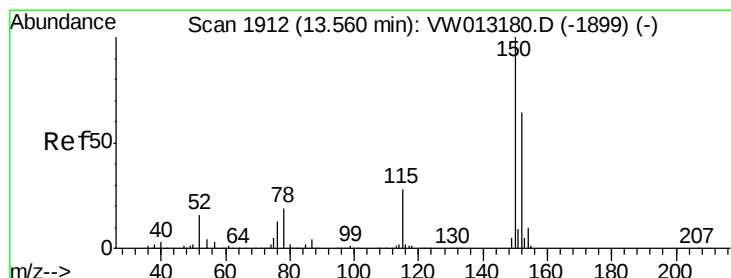
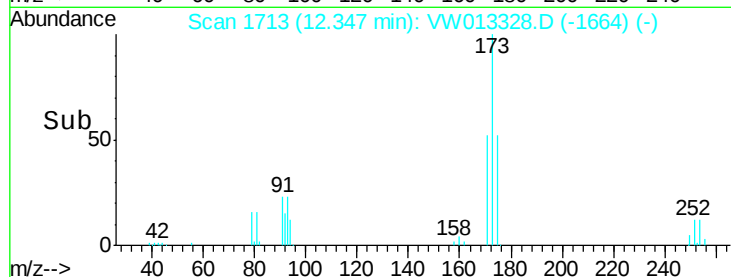
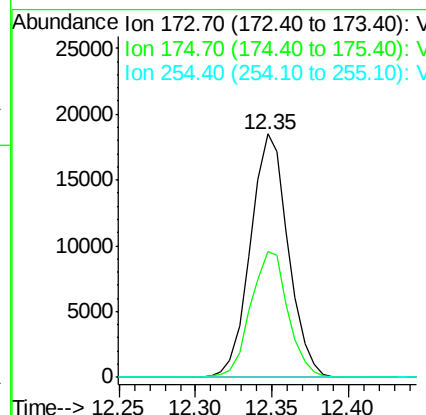
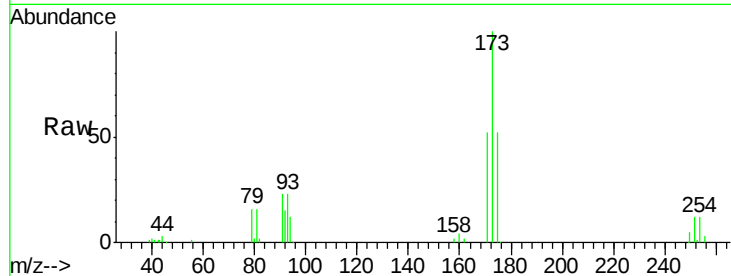
#71
Bromoform
Concen: 19.988 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. -0.00 min
Lab File: VW013328.D
Acq: 30 Sep 2019 13:08

Instrument :
MSVOA_W
ClientSampleId :
VW0930SBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	51.1	24.3	73.0
254	0.0	0.1	0.1#

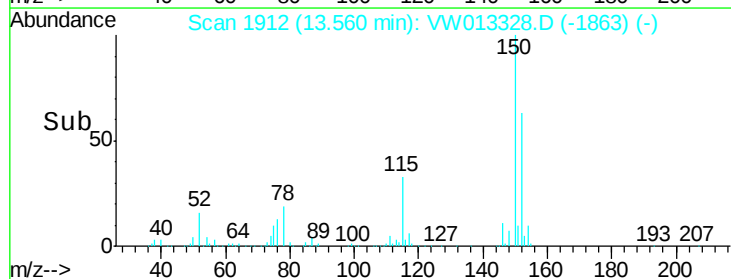
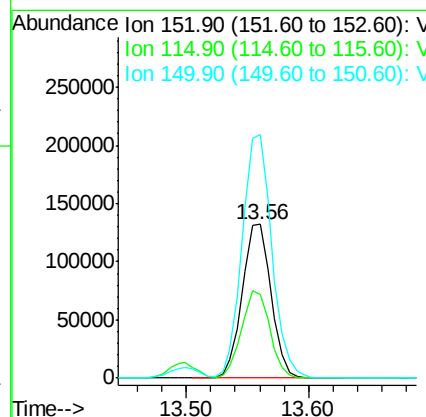
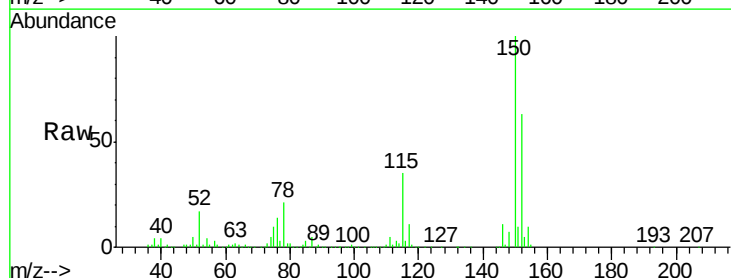
Manual Integrations
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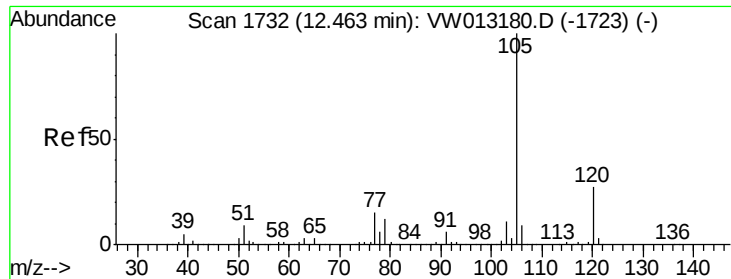
MMDadoda
10/1/2019 11:33:25 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW013328.D
Acq: 30 Sep 2019 13:08

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.0	27.3	81.9
150	163.4	0.0	349.0





#73

Isopropylbenzene

Concen: 19.989 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW013328.D

Acq: 30 Sep 2019 13:08

Instrument :

MSVOA_W

ClientSampleId :

VW0930SBSD01

Tot Ion: 105 Resp: 318086

Ion Ratio Lower Upper

105 100

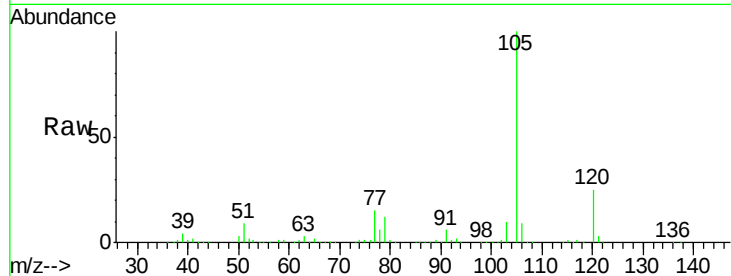
120 26.2 13.4 40.1

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.46

200000

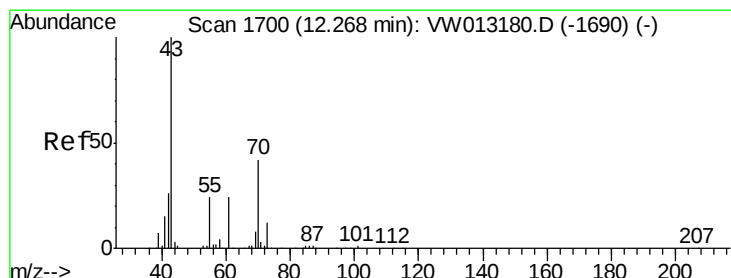
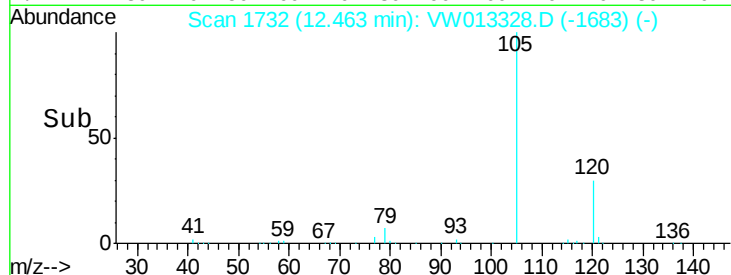
150000

100000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 19.094 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.01 min

Lab File: VW013328.D

Acq: 30 Sep 2019 13:08

Tgt Ion: 43 Resp: 67424

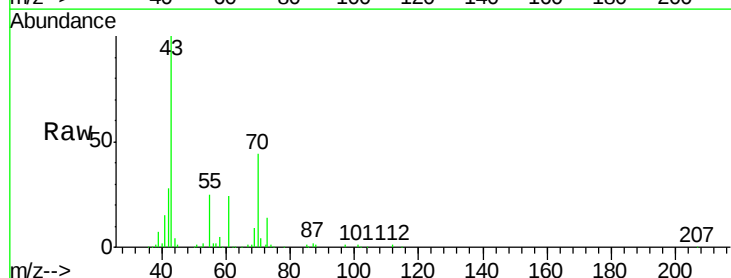
Ion Ratio Lower Upper

43 100

70 44.3 35.1 52.7

55 25.8 19.9 29.9

61 25.6 19.5 29.3



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW

12.27

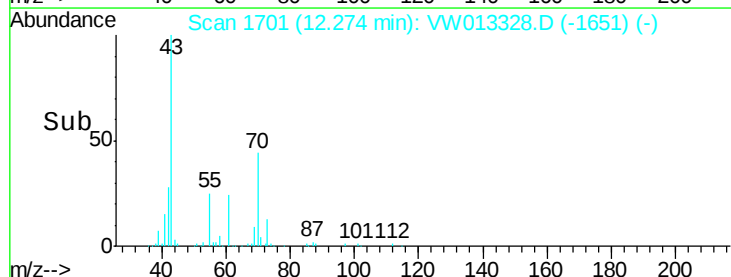
60000

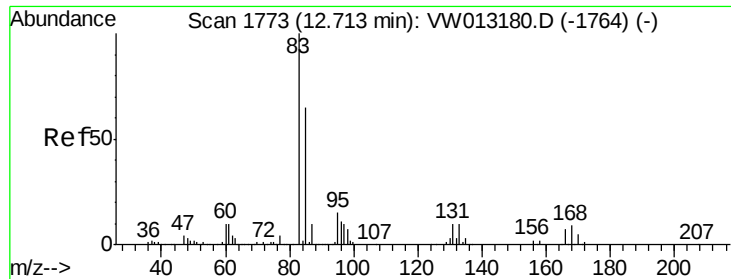
40000

20000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 19.332 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW013328.D

Acq: 30 Sep 2019 13:08

Instrument :

MSVOA_W

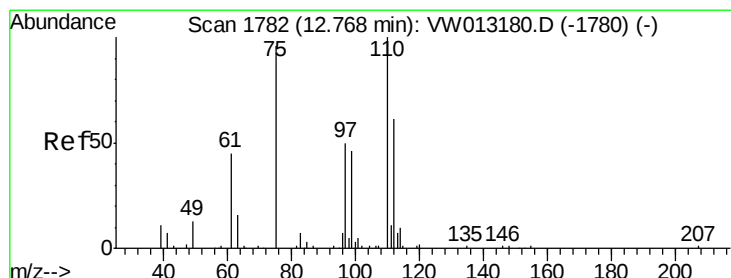
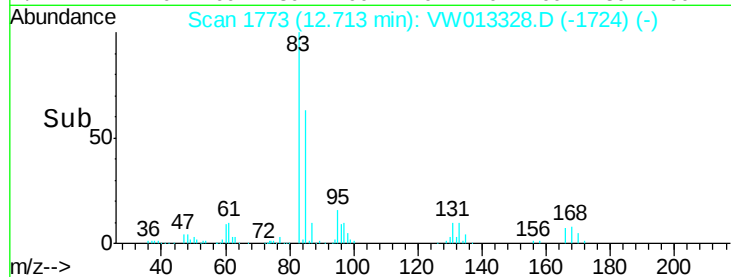
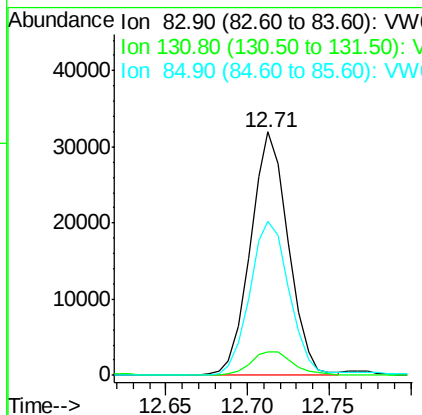
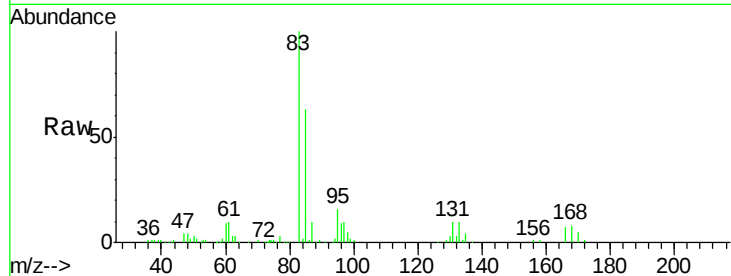
ClientSampleId :

VW0930SBSD01

Tot Ion:	83	Resp:	51448
Ion Ratio	Lower	Upper	
83	100		
131	11.0	5.4	16.2
85	66.2	31.9	95.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 22.165 ug/l m

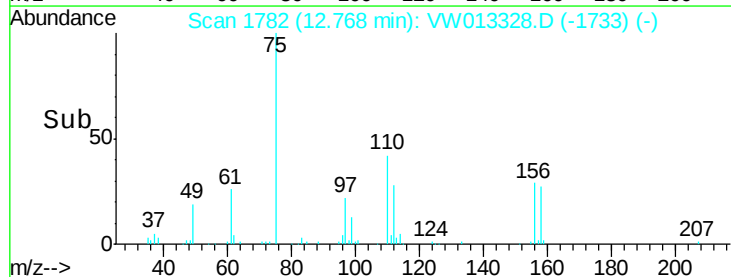
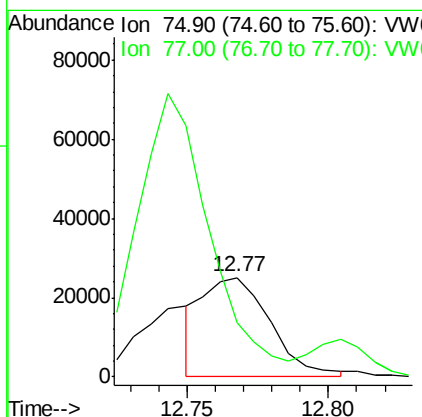
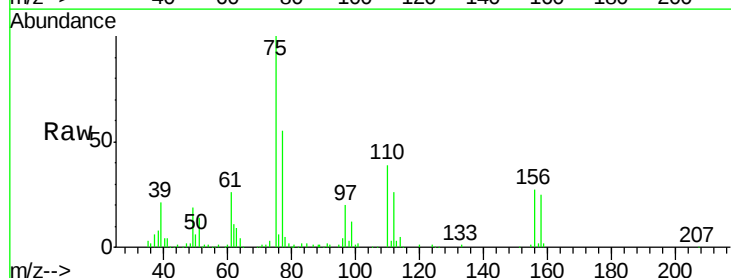
RT: 12.77 min Scan# 1782

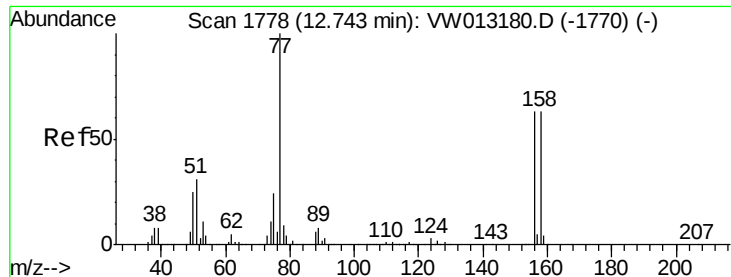
Delta R.T. -0.00 min

Lab File: VW013328.D

Acq: 30 Sep 2019 13:08

Tgt Ion:	75	Resp:	42166
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.011 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VW013328.D

Acq: 30 Sep 2019 13:08

Instrument :

MSVOA_W

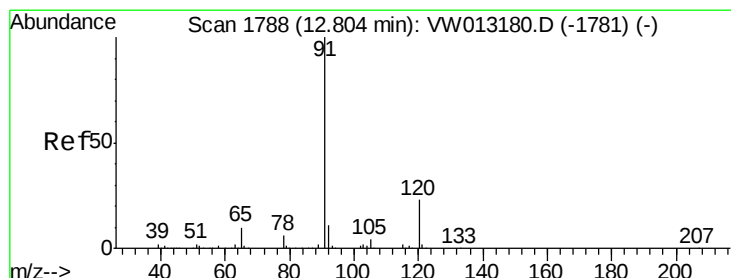
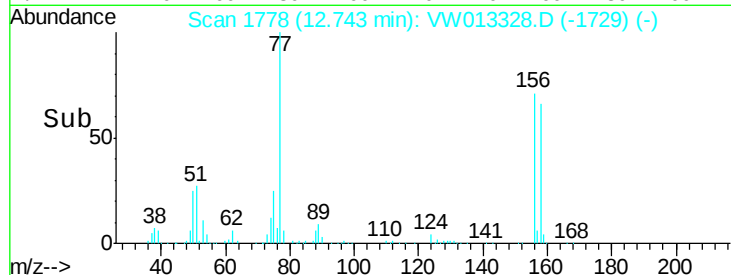
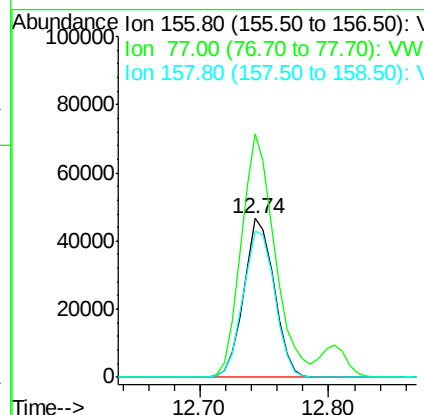
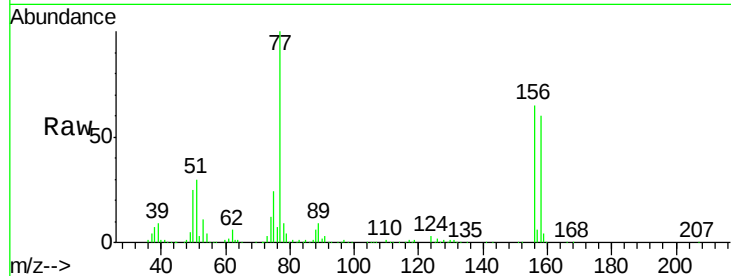
ClientSampleId :

VW0930SBSD01

Tot Ion:	156	Resp:	75461
Ion Ratio	Lower	Upper	
156	100		
77	170.6	85.7	257.1
158	96.2	48.1	144.4

Manual Integrations
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MMDadoda
10/1/2019 11:33:25 AM



#78

n-propylbenzene

Concen: 19.698 ug/l

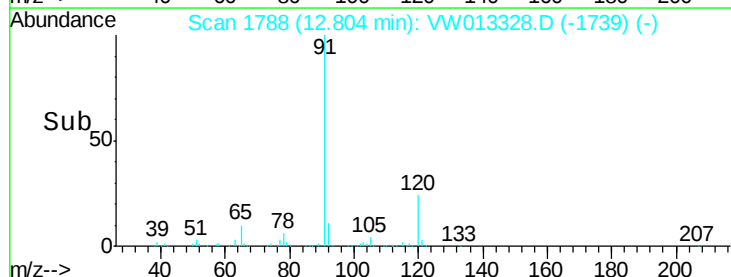
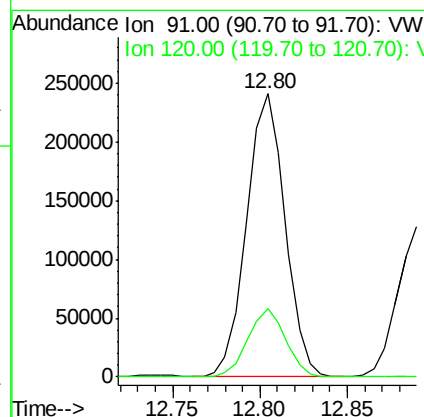
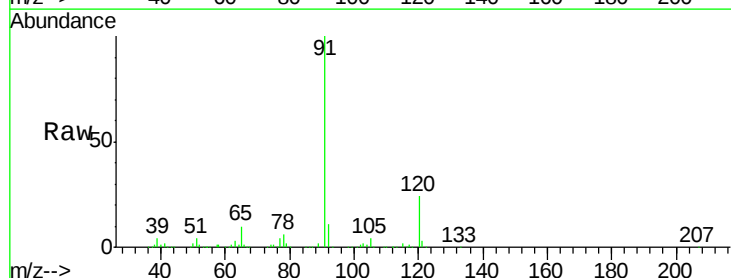
RT: 12.80 min Scan# 1788

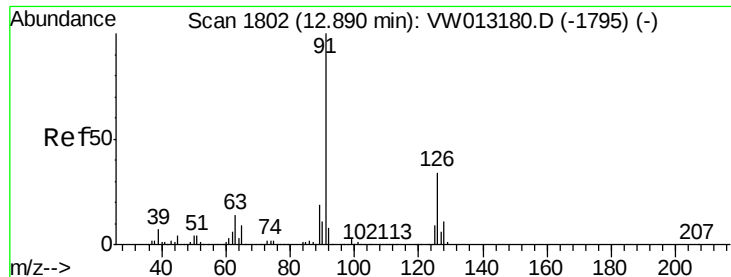
Delta R.T. -0.00 min

Lab File: VW013328.D

Acq: 30 Sep 2019 13:08

Tgt Ion:	91	Resp:	366902
Ion Ratio	Lower	Upper	
91	100		
120	23.7	11.7	35.1





#79

2-Chlorotoluene

Concen: 19.730 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW013328.D

Acq: 30 Sep 2019 13:08

Instrument :

MSVOA_W

ClientSampleId :

VW0930SBSD01

Tot Ion: 91 Resp: 205888

Ion Ratio Lower Upper

91 100

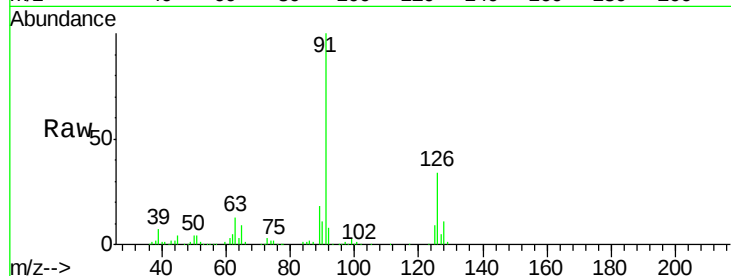
126 35.1 17.2 51.5

Manual Integrations

APPROVED

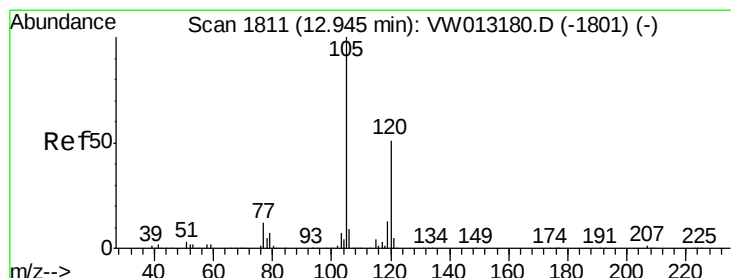
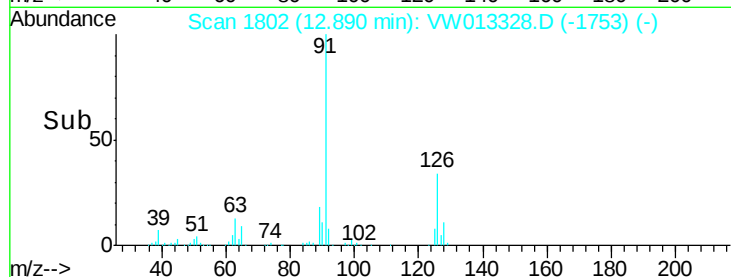
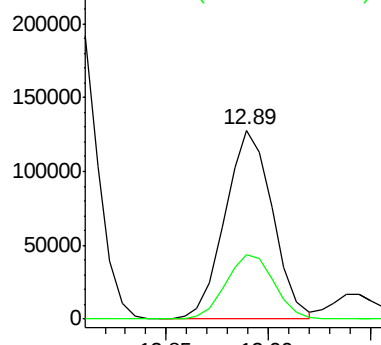
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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 19.865 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW013328.D

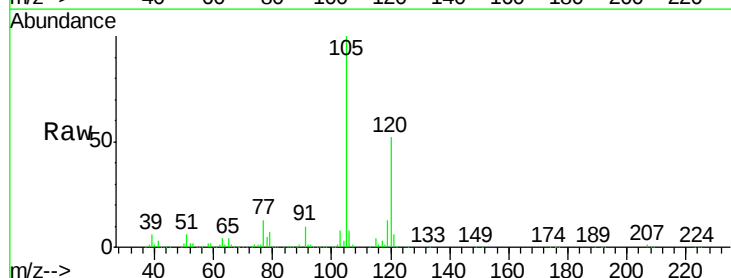
Acq: 30 Sep 2019 13:08

Tgt Ion: 105 Resp: 265729

Ion Ratio Lower Upper

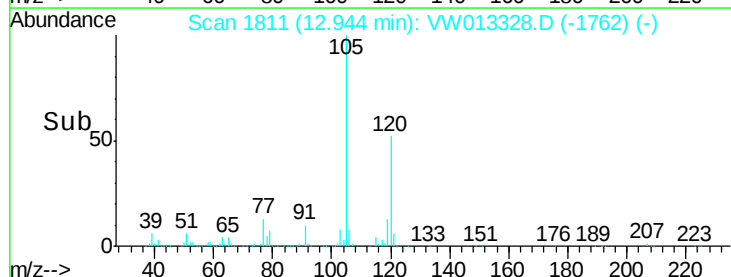
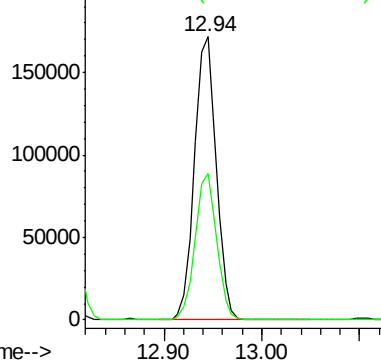
105 100

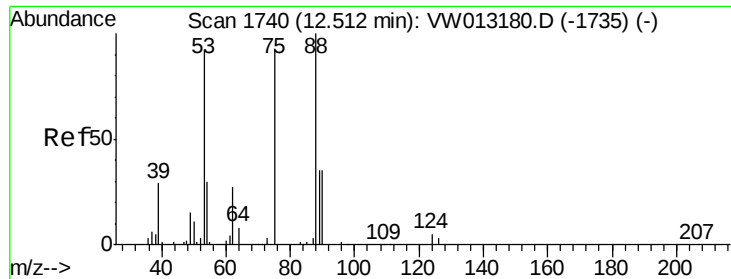
120 51.0 24.9 74.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





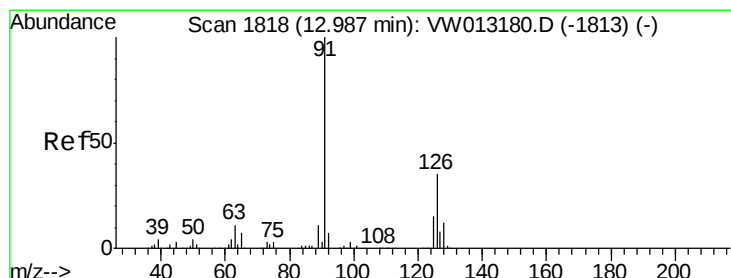
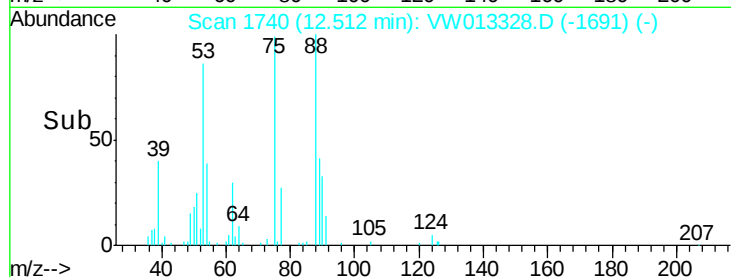
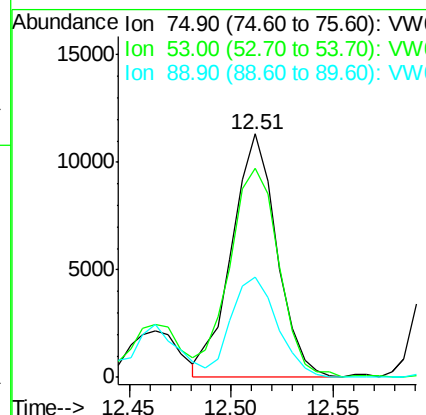
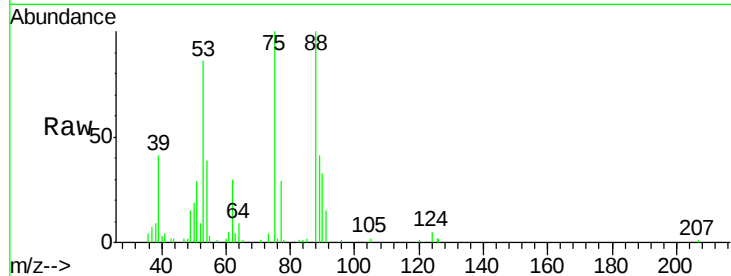
#81
trans-1,4-Dichloro-2-butene
Concen: 20.490 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW013328.D
Acq: 30 Sep 2019 13:08

Instrument :
MSVOA_W
ClientSampleId :
VW0930SBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	93.0	76.6	114.8
89	42.0	33.5	50.3

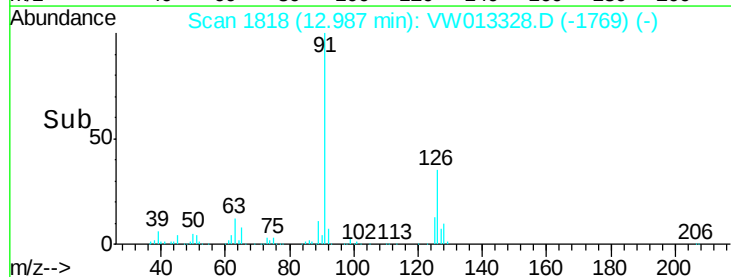
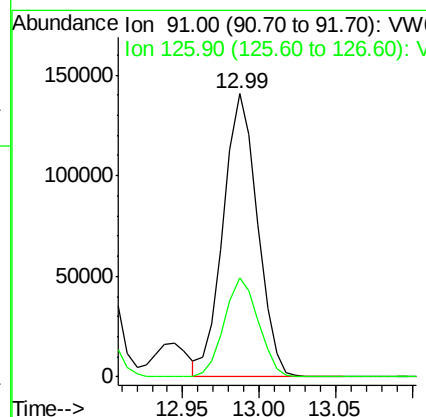
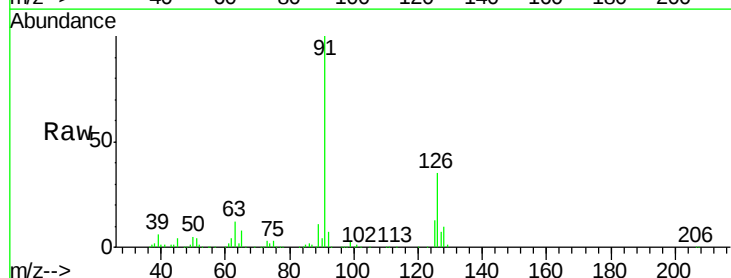
Manual Integrations
APPROVED

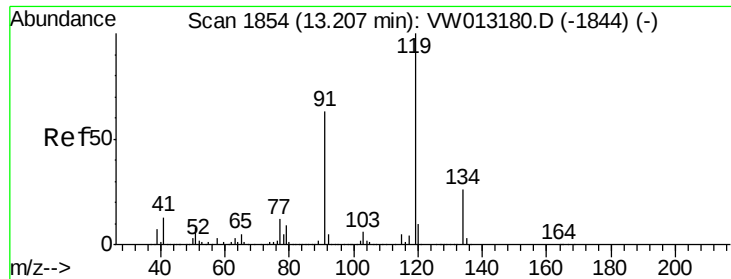
MMDadoda
10/1/2019 11:33:25 AM



#82
4-Chlorotoluene
Concen: 19.889 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VW013328.D
Acq: 30 Sep 2019 13:08

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.8	17.3	51.7





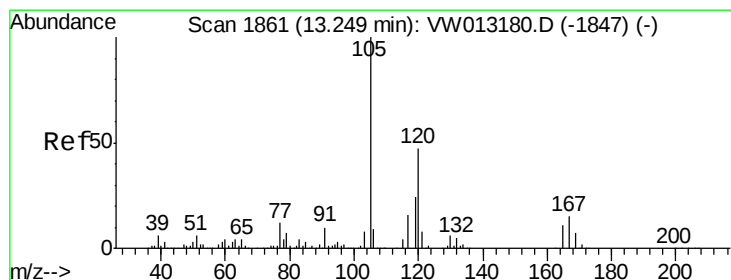
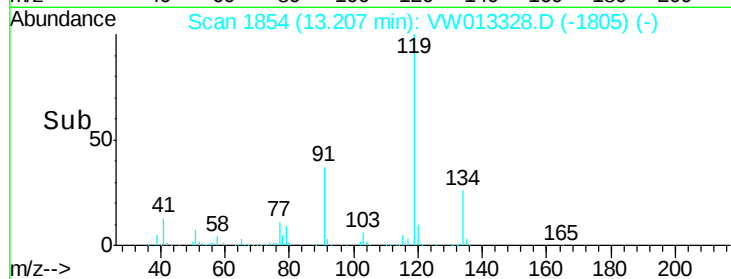
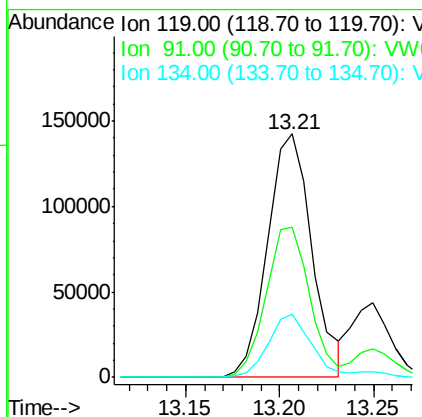
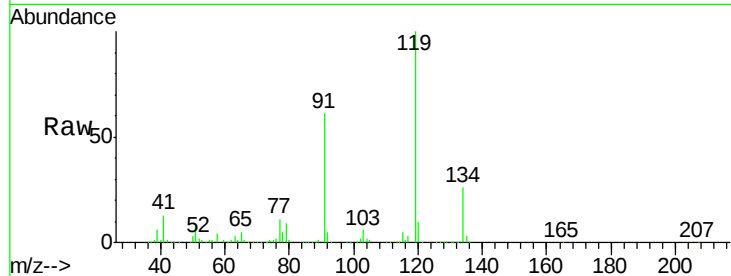
#83
tert-Butylbenzene
Concen: 19.844 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW013328.D
Acq: 30 Sep 2019 13:08

Instrument :
MSVOA_W
ClientSampleId :
VW0930SBSD01

Tot Ion	Ratio	Lower	Upper
119	100		
91	60.9	30.7	92.1
134	25.0	12.6	37.6

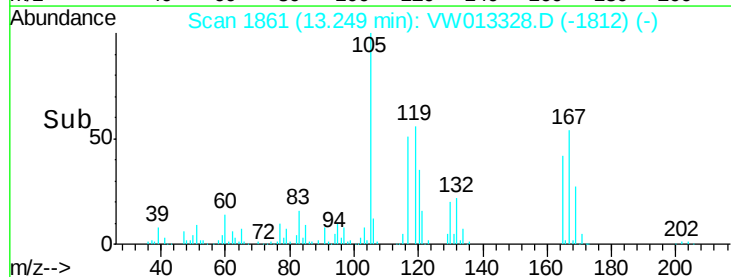
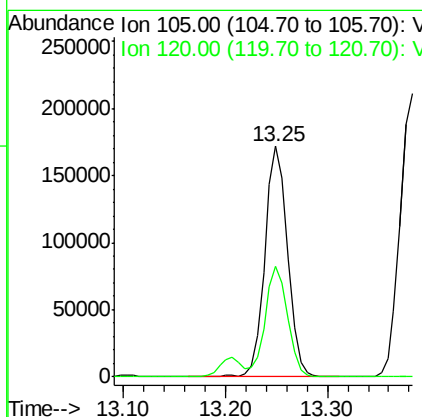
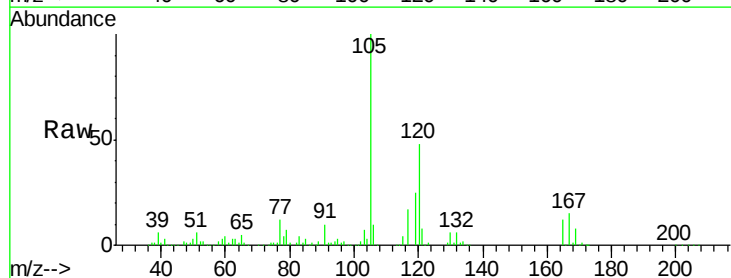
Manual Integrations
APPROVED

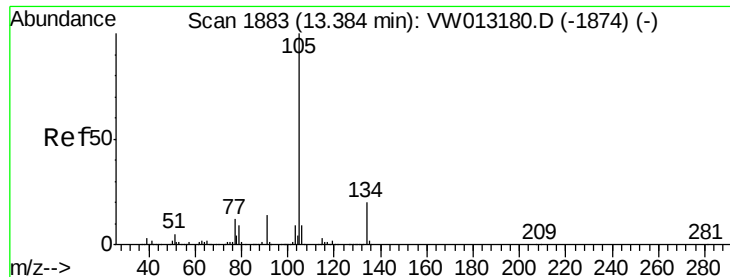
MMDadoda
10/1/2019 11:33:25 AM



#84
1,2,4-Trimethylbenzene
Concen: 19.945 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW013328.D
Acq: 30 Sep 2019 13:08

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.4	23.4	70.3





#85

sec-Butylbenzene

Concen: 19.821 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW013328.D

Acq: 30 Sep 2019 13:08

Instrument :

MSVOA_W

ClientSampleId :

VW0930SBS01

Tot Ion:105 Resp: 320832

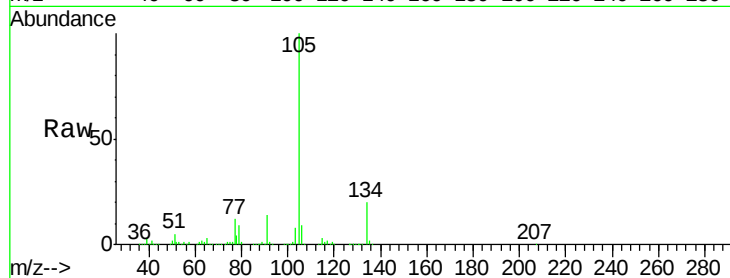
Ion Ratio Lower Upper

105 100

134 20.5 10.3 30.8

Manual Integrations
APPROVED

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

250000

200000

150000

100000

50000

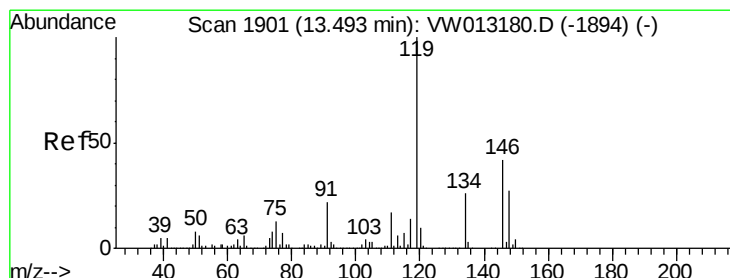
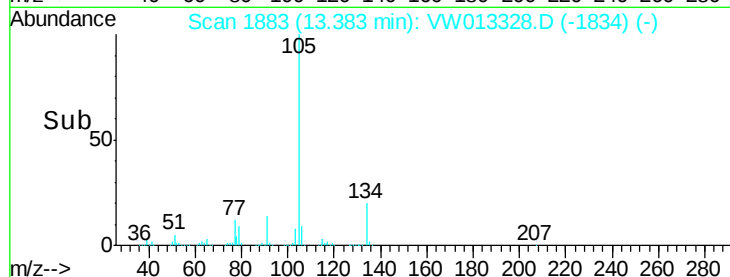
0

13.38

13.30

13.40

Time-->



#86

p-Isopropyltoluene

Concen: 19.807 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.01 min

Lab File: VW013328.D

Acq: 30 Sep 2019 13:08

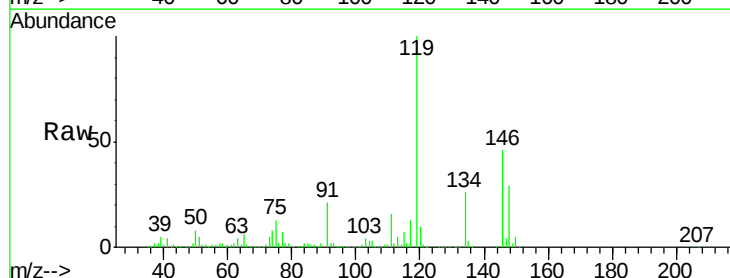
Tgt Ion:119 Resp: 297375

Ion Ratio Lower Upper

119 100

134 26.3 13.3 39.8

91 21.4 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

250000

200000

150000

100000

50000

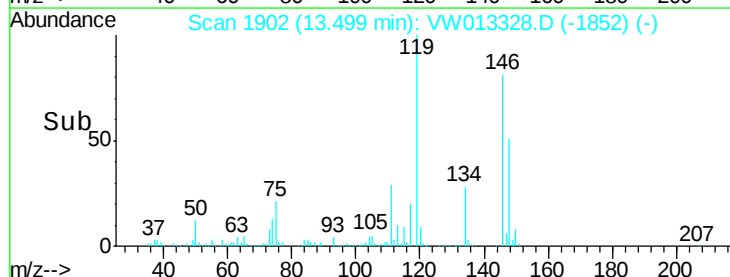
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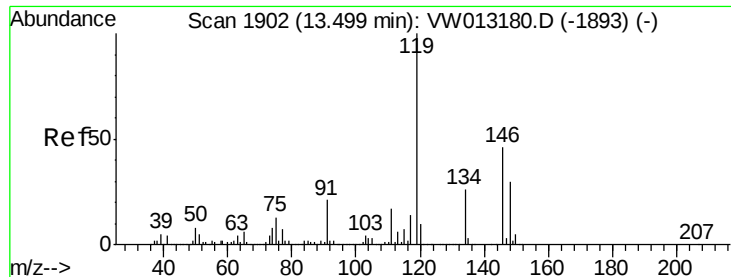
13.50

13.45

13.55

Time-->





#87

1,3-Dichlorobenzene

Concen: 20.167 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW013328.D

Acq: 30 Sep 2019 13:08

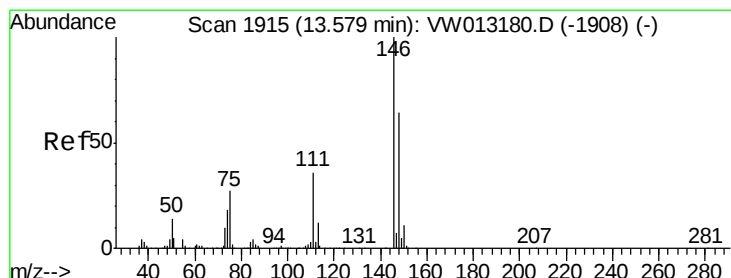
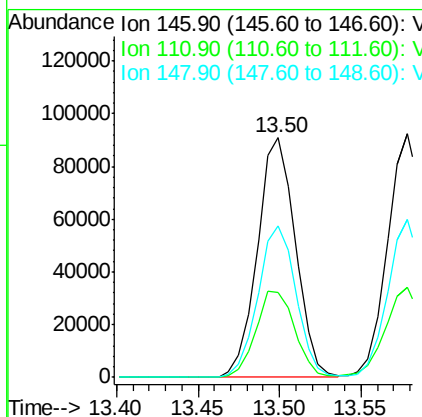
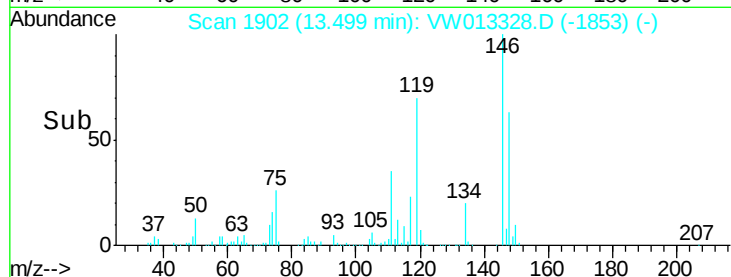
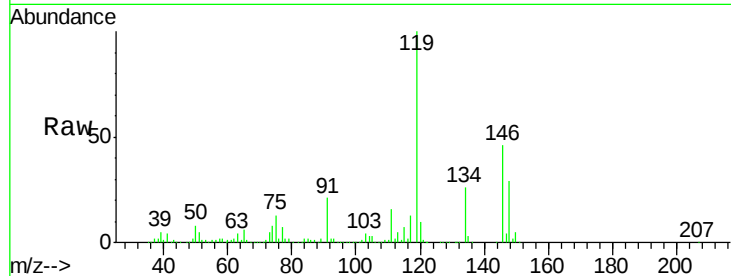
Instrument :
MSVOA_W

ClientSampleId :
VW0930SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	146361		
111	37.3	18.9	56.9	
148	63.5	31.9	95.5	

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 20.533 ug/l

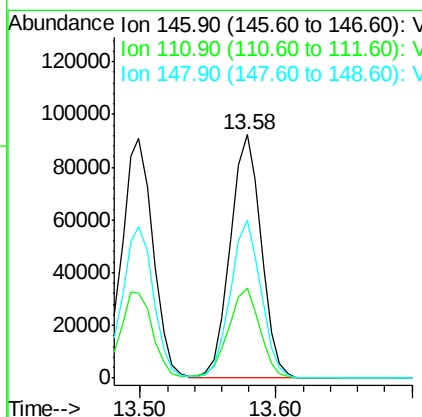
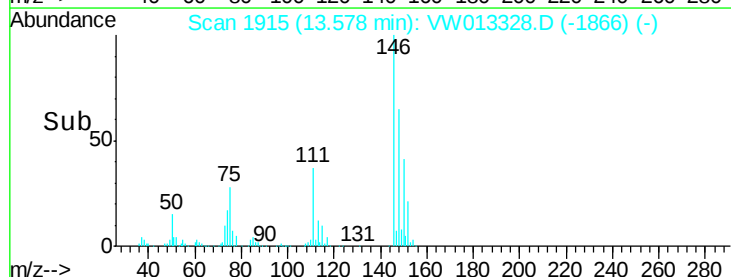
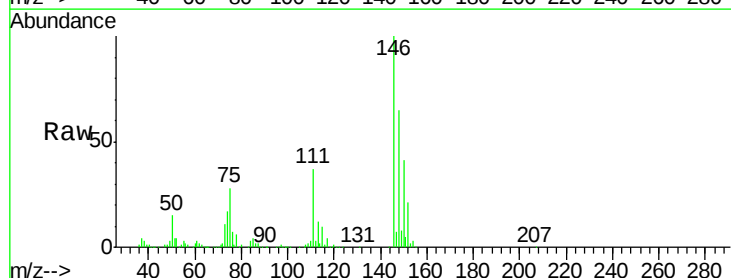
RT: 13.58 min Scan# 1915

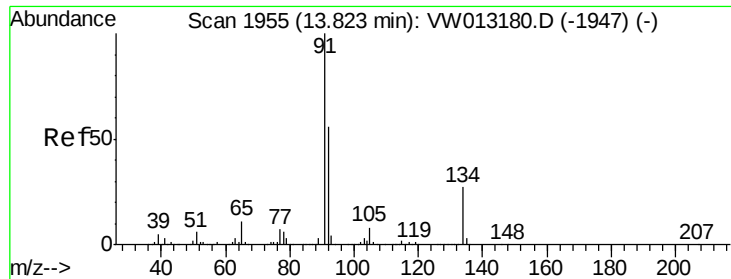
Delta R.T. -0.00 min

Lab File: VW013328.D

Acq: 30 Sep 2019 13:08

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	146145		
111	37.8	18.4	55.0	
148	64.0	32.1	96.3	





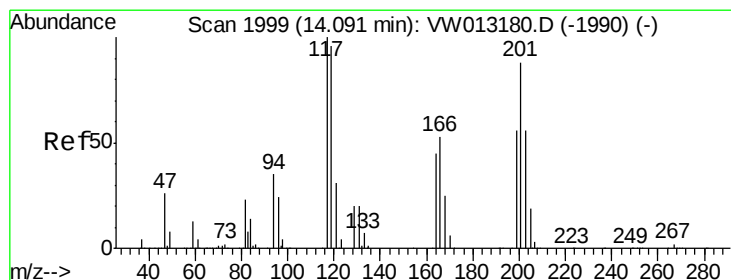
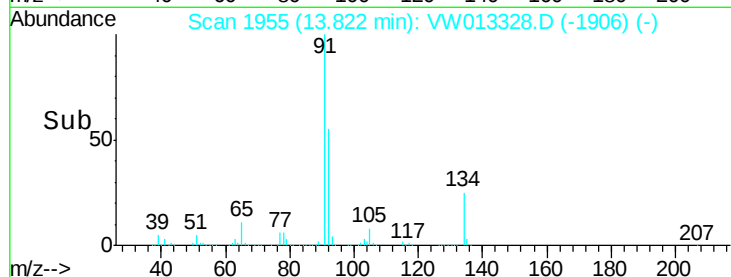
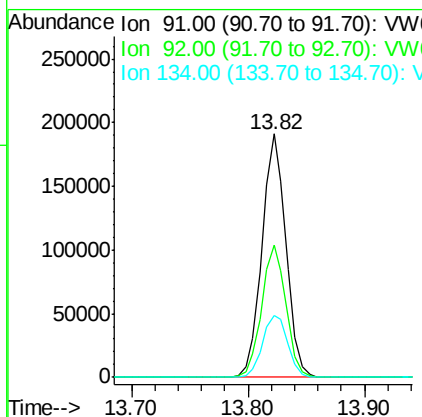
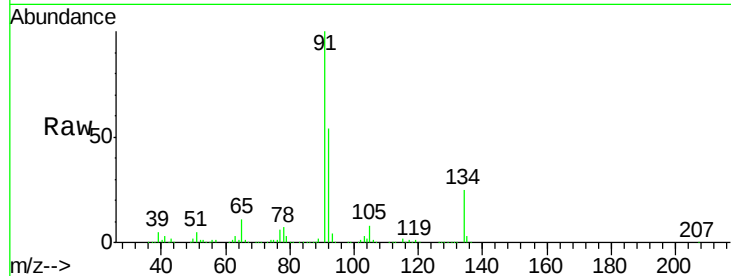
#89
n-Butylbenzene
Concen: 19.939 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW013328.D
Acq: 30 Sep 2019 13:08

Instrument :
MSVOA_W
ClientSampleId :
VW0930SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	27335		
92	54.9		27.6	82.8
134	27.0		13.7	41.1

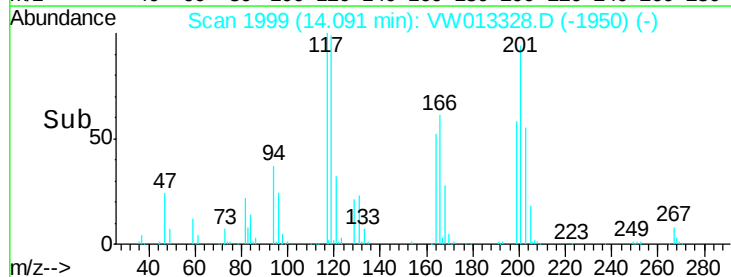
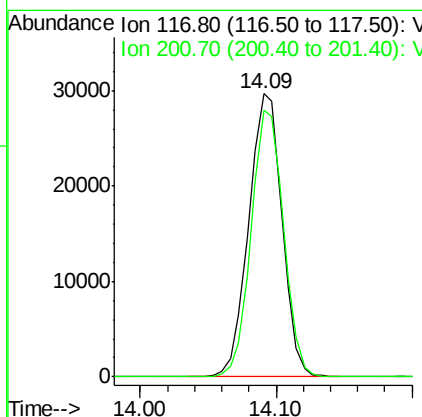
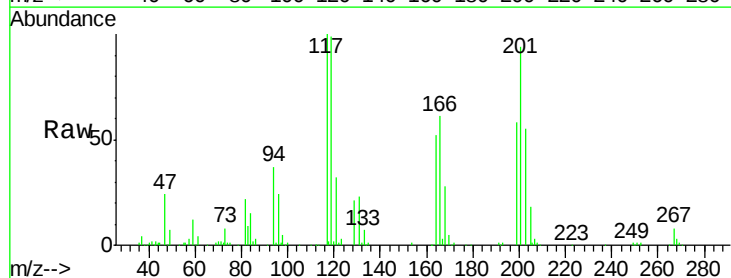
Manual Integrations
APPROVED

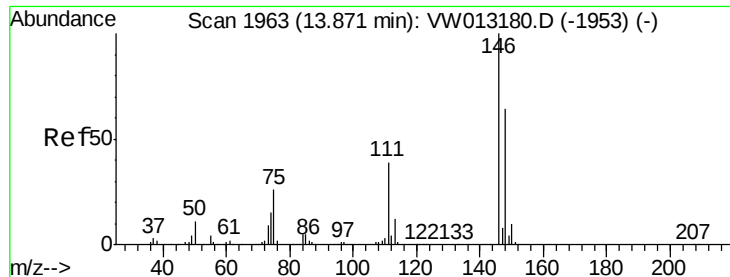
MMDadoda
10/1/2019 11:33:25 AM



#90
Hexachloroethane
Concen: 20.235 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. -0.00 min
Lab File: VW013328.D
Acq: 30 Sep 2019 13:08

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	51036		
201	91.6		44.5	133.5





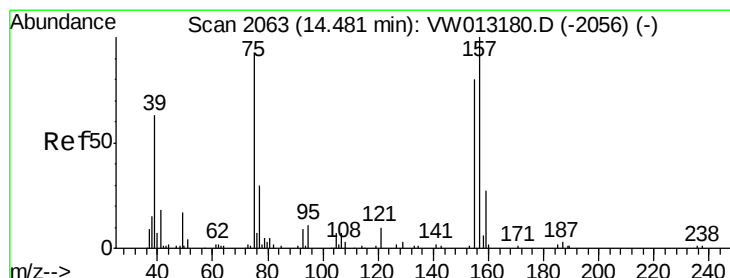
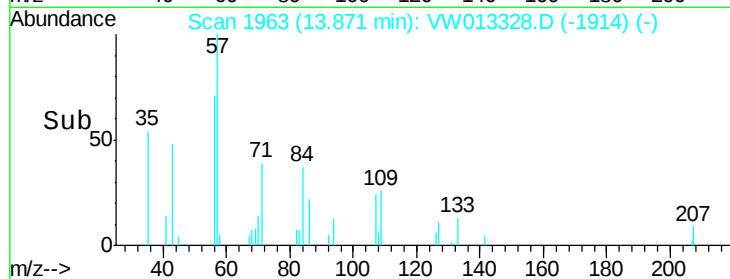
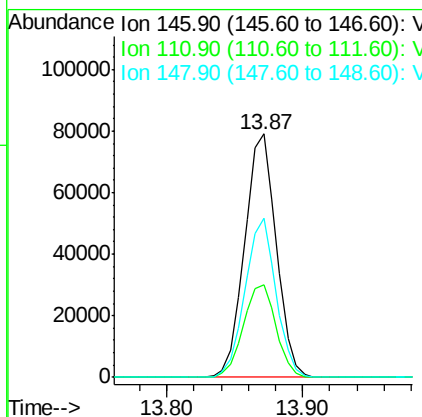
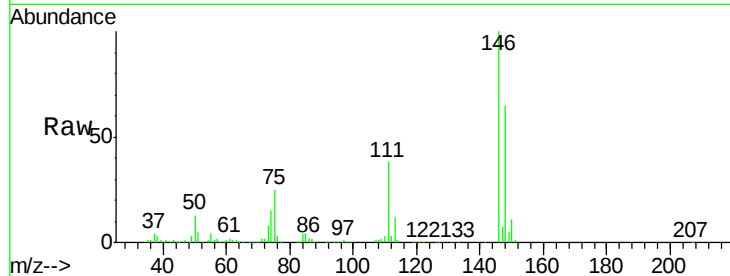
#91
 1,2-Dichlorobenzene
 Concen: 20.533 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW013328.D
 Acq: 30 Sep 2019 13:08

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0930SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	128918		
111	39.5	20.1	60.3	
148	63.7	32.0	96.0	

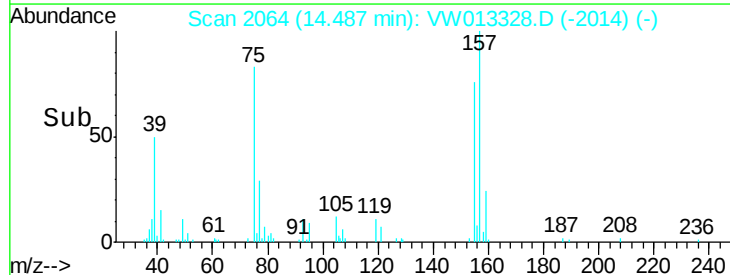
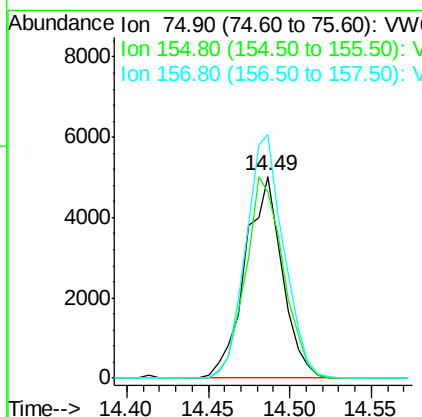
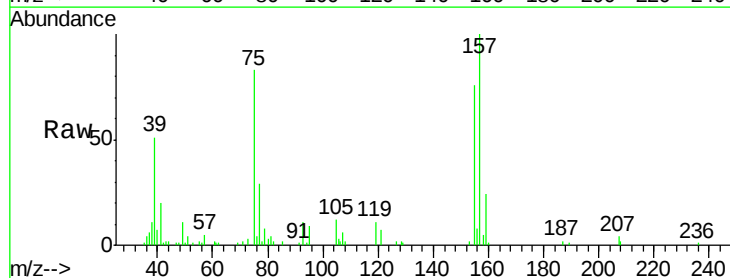
Manual Integrations
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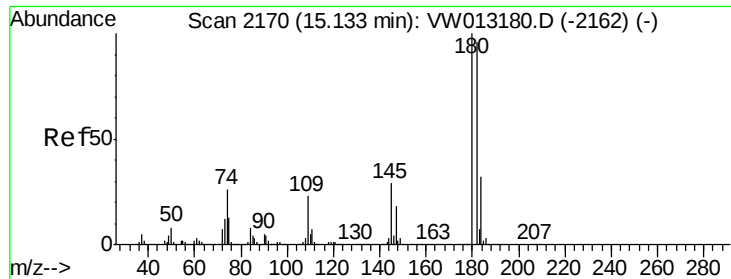
MMDadoda
 10/1/2019 11:33:25 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.560 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.01 min
 Lab File: VW013328.D
 Acq: 30 Sep 2019 13:08

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	7962		
155	101.4	46.1	138.3	
157	123.4	60.4	181.2	





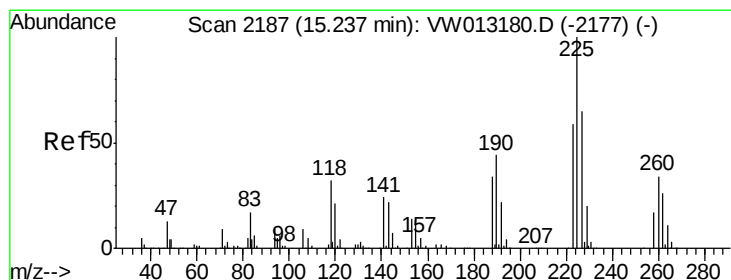
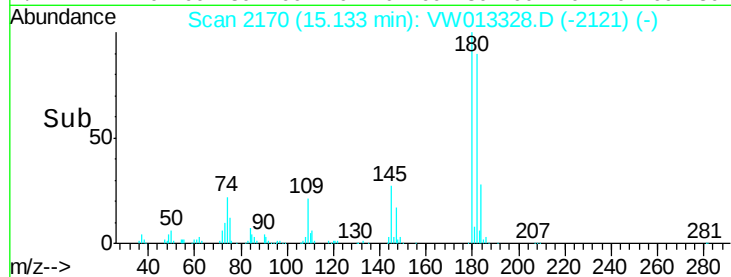
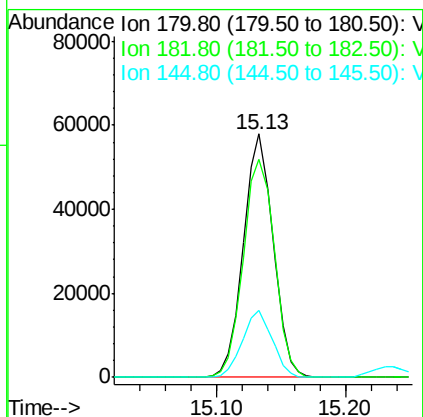
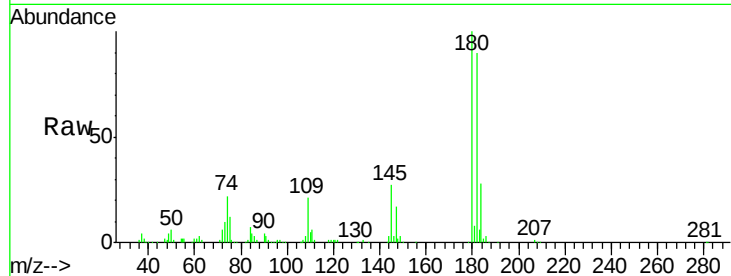
#93
 1,2,4-Trichlorobenzene
 Concen: 20.537 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW013328.D
 Acq: 30 Sep 2019 13:08

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0930SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	94.1	47.3	142.0	
145	27.5	14.2	42.8	

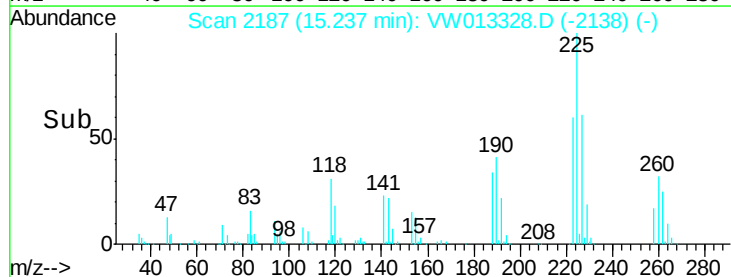
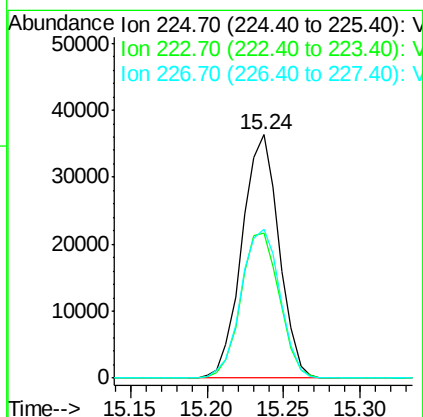
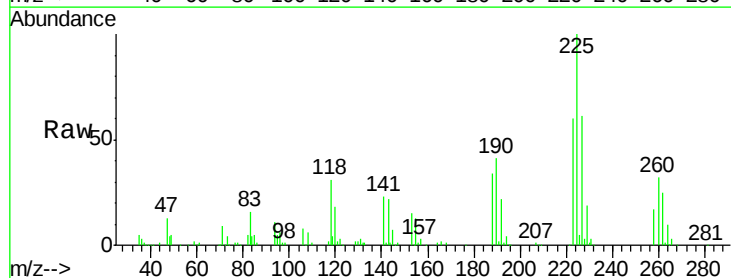
Manual Integrations
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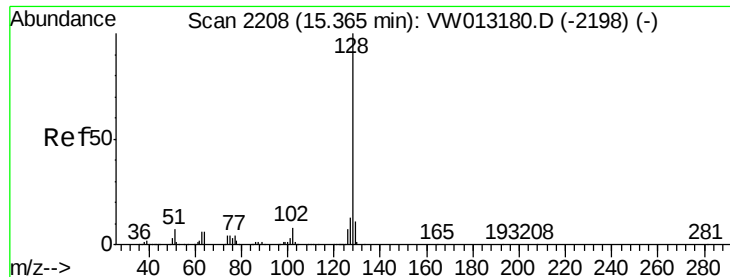
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 10/1/2019 11:33:25 AM



#94
 Hexachlorobutadiene
 Concen: 19.868 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW013328.D
 Acq: 30 Sep 2019 13:08

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.1	30.6	91.8	
227	64.2	31.9	95.9	





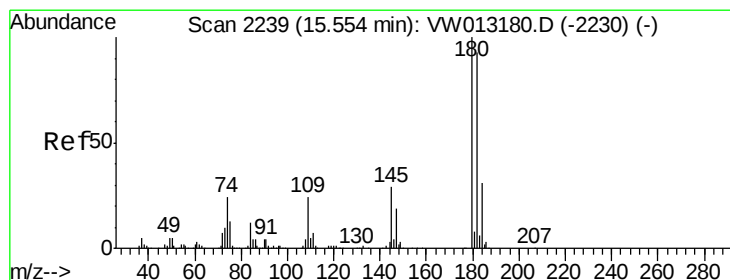
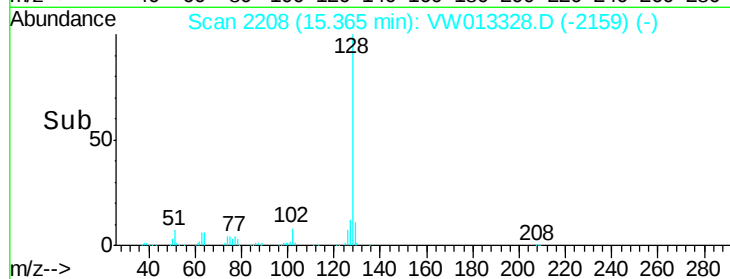
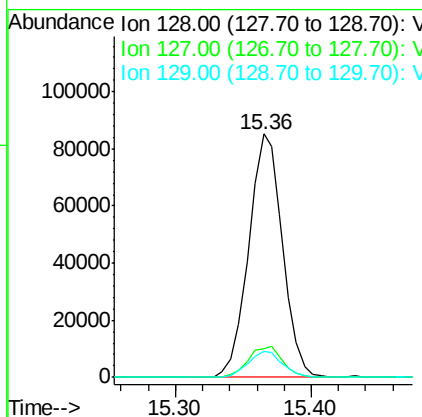
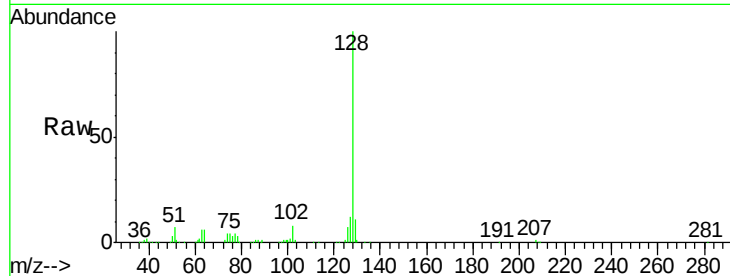
#95
Naphthalene
Concen: 20.135 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VW013328.D
Acq: 30 Sep 2019 13:08

Instrument :
MSVOA_W
ClientSampleId :
VW0930SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	148158		
127	12.8	10.6	15.8	
129	10.8	8.7	13.1	

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 20.673 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VW013328.D
Acq: 30 Sep 2019 13:08

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	80368		
182	94.7	47.9	143.7	
145	29.6	15.0	45.0	

