

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092019\
 Data File : VW013178.D
 Acq On : 20 Sep 2019 13:09
 Operator : SY/VA
 Sample : VSTDIC010
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

MMDadoda
 9/24/2019 5:28:42 AM

Quant Time: Sep 20 15:11:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 20 14:51:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	336519	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	480644	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	412646	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	208501	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	28005	9.25	ug/l	0.00
Spiked Amount			Recovery	=	18.50%	
35) Dibromofluoromethane	7.88	113	25651	9.87	ug/l	0.00
Spiked Amount			Recovery	=	19.74%	
50) Toluene-d8	10.32	98	109788	10.71	ug/l	0.00
Spiked Amount			Recovery	=	21.42%	
62) 4-Bromofluorobenzene	12.62	95	37524	10.23	ug/l	0.00
Spiked Amount			Recovery	=	20.46%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	18874	12.391	ug/l	100
3) Chloromethane	2.21	50	26658	13.733	ug/l	99
4) Vinyl Chloride	2.36	62	33450	13.184	ug/l	96
5) Bromomethane	2.77	94	20892	13.272	ug/l	90
6) Chloroethane	2.92	64	19296	12.465	ug/l	89
7) Trichlorofluoromethane	3.25	101	18340	10.774	ug/l	96
8) Diethyl Ether	3.68	74	15134	11.125	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.06	101	31094	11.820	ug/l	98
10) Methyl Iodide	4.27	142	46009	13.376	ug/l	99
11) Tert butyl alcohol	5.19	59	13261m	56.268	ug/l	
12) 1,1-Dichloroethene	4.04	96	31256	12.747	ug/l	92
13) Acrolein	3.90	56	8923	41.800	ug/l	100
14) Allyl chloride	4.67	41	48454	10.776	ug/l	99
15) Acrylonitrile	5.36	53	34311	51.228	ug/l	96
16) Acetone	4.12	43	32421	45.466	ug/l	92
17) Carbon Disulfide	4.38	76	87261	16.163	ug/l	98
18) Methyl Acetate	4.67	43	17771	10.091	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	48334	10.510	ug/l	99
20) Methylene Chloride	4.91	84	36673	12.139	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	33211	12.607	ug/l	96
22) Diisopropyl ether	6.31	45	91989	10.002	ug/l	95
23) Vinyl Acetate	6.26	43	274179	50.135	ug/l	97
24) 1,1-Dichloroethane	6.21	63	57297	10.695	ug/l	96
25) 2-Butanone	7.17	43	49151	50.788	ug/l	94
26) 2,2-Dichloropropane	7.16	77	40119	10.728	ug/l	95
27) cis-1,2-Dichloroethene	7.17	96	34638	11.234	ug/l	92
28) Bromochloromethane	7.51	49	20432	9.104	ug/l	100
29) Tetrahydrofuran	7.54	42	28757	51.458	ug/l	97
30) Chloroform	7.67	83	55997	10.409	ug/l	97
31) Cyclohexane	7.95	56	60752	12.770	ug/l #	93
32) 1,1,1-Trichloroethane	7.87	97	44070	9.931	ug/l	98
36) 1,1-Dichloropropene	8.08	75	47426	11.967	ug/l	98
37) Ethyl Acetate	7.25	43	21223	10.526	ug/l	98
38) Carbon Tetrachloride	8.07	117	41510	10.450	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	58900	13.038	ug/l	95
40) Benzene	8.32	78	129223	11.680	ug/l	95
41) Methacrylonitrile	7.48	41	11168	8.501	ug/l	92
42) 1,2-Dichloroethane	8.40	62	35551	9.968	ug/l	99
43) Isopropyl Acetate	8.42	43	40008	10.367	ug/l	96
44) Trichloroethene	9.09	130	36361	11.918	ug/l	96
45) 1,2-Dichloropropane	9.37	63	31325	10.854	ug/l	97
46) Dibromomethane	9.46	93	15376	11.094	ug/l	98
47) Bromodichloromethane	9.65	83	37513	9.817	ug/l	99
48) Methyl methacrylate	9.43	41	17544	9.665	ug/l	96
49) 1,4-Dioxane	9.47	88	5625	253.353	ug/l #	92
51) 4-Methyl-2-Pentanone	10.21	43	98882	49.840	ug/l	99
52) Toluene	10.38	92	81487	11.579	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	38188	9.883	ug/l	95
54) cis-1,3-Dichloropropene	10.07	75	46696	10.467	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	23171	11.011	ug/l	98
56) Ethyl methacrylate	10.65	69	29659	10.534	ug/l	98
57) 1,3-Dichloropropane	10.93	76	39410	10.586	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	66878	44.898	ug/l	99
59) 2-Hexanone	10.97	43	67971	49.461	ug/l	98
60) Dibromochloromethane	11.13	129	25005	9.949	ug/l	99
61) 1,2-Dibromoethane	11.23	107	21963	11.405	ug/l	99
64) Tetrachloroethene	10.86	164	32700	12.752	ug/l	97
65) Chlorobenzene	11.66	112	85873	11.391	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	28507	10.071	ug/l	99
67) Ethyl Benzene	11.73	91	156458	11.280	ug/l	100
68) m/p-Xylenes	11.84	106	118473	23.179	ug/l	98
69) o-Xylene	12.16	106	55682	11.653	ug/l	96
70) Styrene	12.18	104	93708	11.067	ug/l	99
71) Bromoform	12.35	173	15868	10.729	ug/l #	94
73) Isopropylbenzene	12.46	105	155238	11.056	ug/l	98
74) N-amyl acetate	12.27	43	34016	9.664	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	27148	11.186	ug/l	95
76) 1,2,3-Trichloropropane	12.77	75	21418m	11.775	ug/l	
77) Bromobenzene	12.74	156	36763	11.239	ug/l	99
78) n-propylbenzene	12.80	91	179298	10.863	ug/l	100
79) 2-Chlorotoluene	12.89	91	99958	10.571	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	130851	11.002	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	7959	9.901	ug/l	96
82) 4-Chlorotoluene	12.99	91	106651	10.747	ug/l	99
83) tert-Butylbenzene	13.21	119	114730	10.835	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	130873	11.142	ug/l	99
85) sec-Butylbenzene	13.38	105	156924	10.843	ug/l	99
86) p-Isopropyltoluene	13.50	119	145560	10.939	ug/l	99
87) 1,3-Dichlorobenzene	13.49	146	70517	10.979	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	68872	10.938	ug/l	97
89) n-Butylbenzene	13.82	91	127894	10.246	ug/l	100
90) Hexachloroethane	14.09	117	23855	10.083	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	60476	10.735	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.48	75	4236	9.704	ug/l	98

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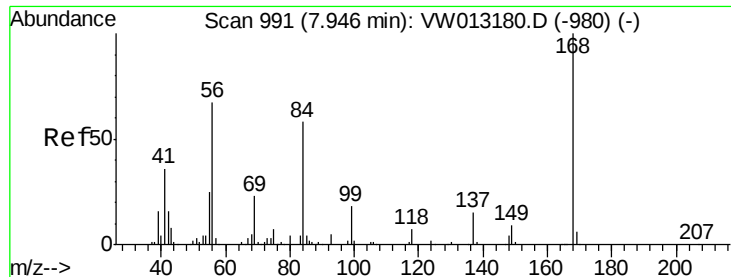
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	40521	10.066	ug/l	98
94) Hexachlorobutadiene	15.24	225	29370	10.358	ug/l	97
95) Naphthalene	15.36	128	63940	9.581	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	34535	9.737	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW013178.D

Acq: 20 Sep 2019 13:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion:168 Resp: 336519

Ion Ratio Lower Upper

168 100

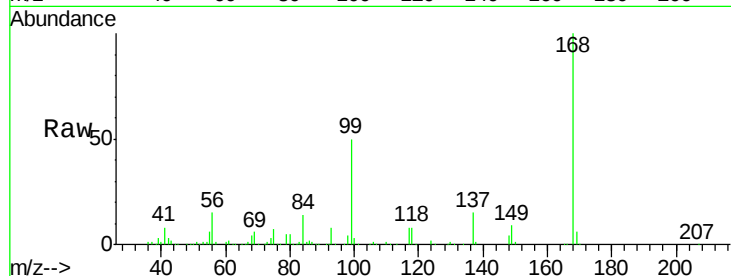
99 49.9 40.2 60.4

Manual Integrations

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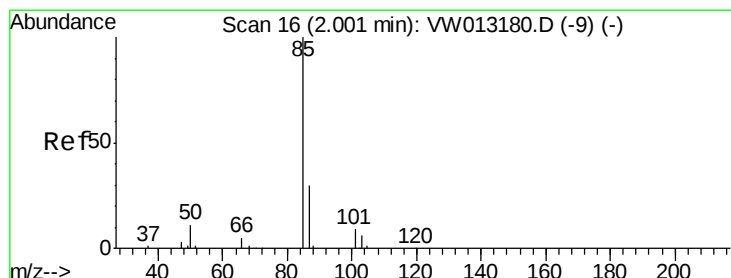
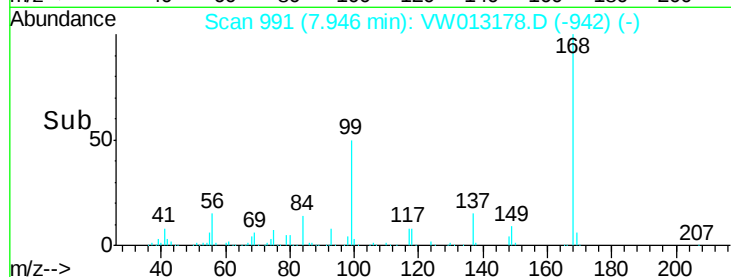
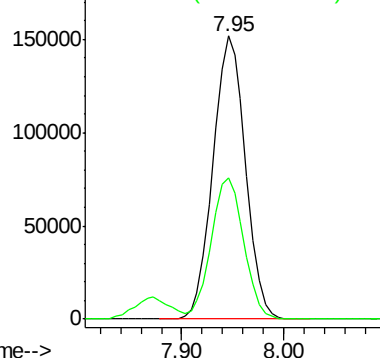
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 12.391 ug/l

RT: 2.00 min Scan# 16

Delta R.T. -0.00 min

Lab File: VW013178.D

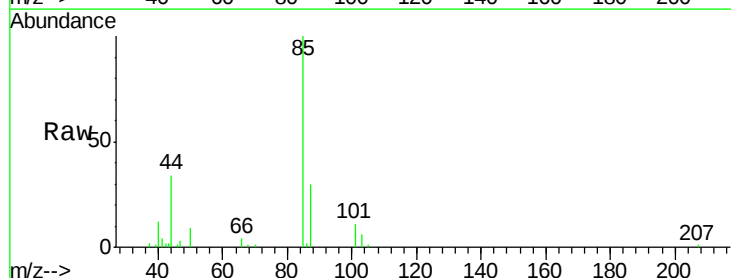
Acq: 20 Sep 2019 13:09

Tgt Ion: 85 Resp: 18874

Ion Ratio Lower Upper

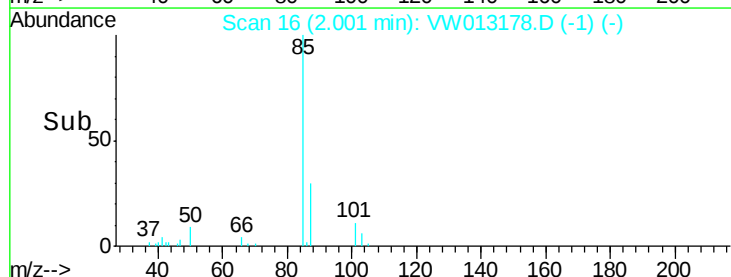
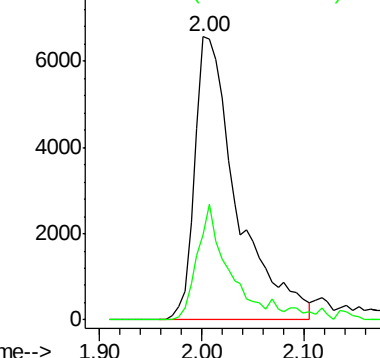
85 100

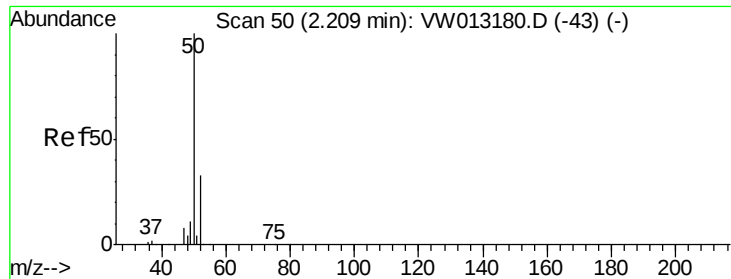
87 30.2 15.1 45.3



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 13.733 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.00 min

Lab File: VW013178.D

Acq: 20 Sep 2019 13:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion: 50 Resp: 26658

Ion Ratio Lower Upper

50 100

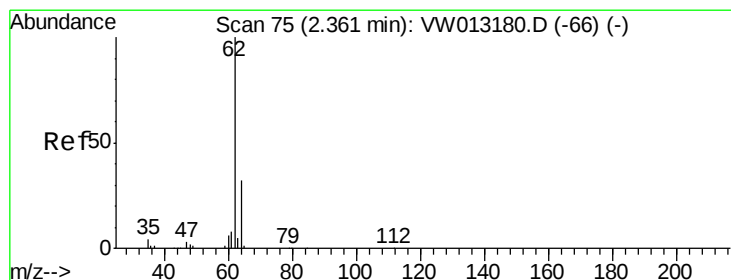
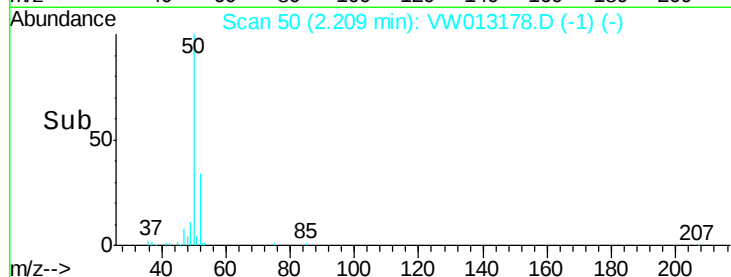
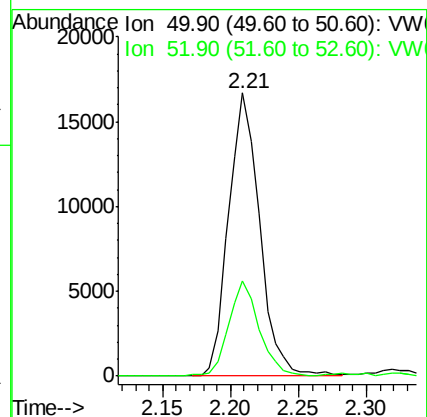
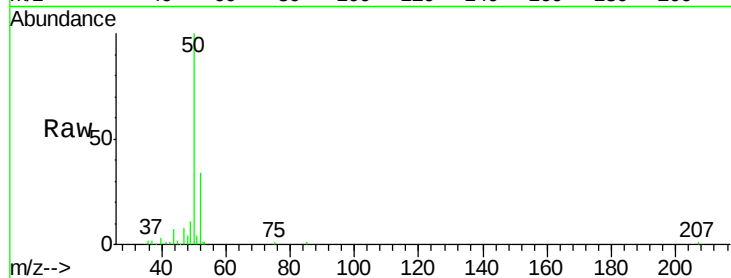
52 33.2 26.1 39.1

Manual Integrations

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#4

Vinyl Chloride

Concen: 13.184 ug/l

RT: 2.36 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW013178.D

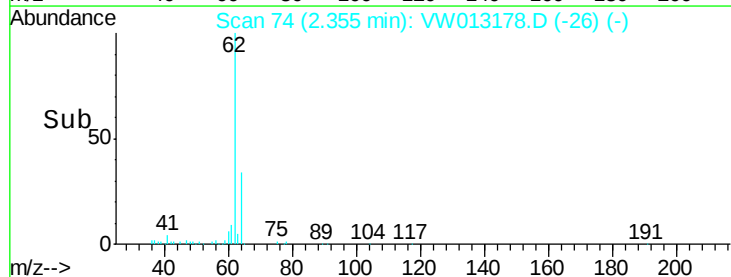
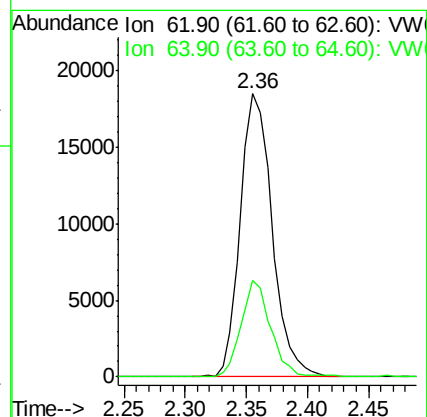
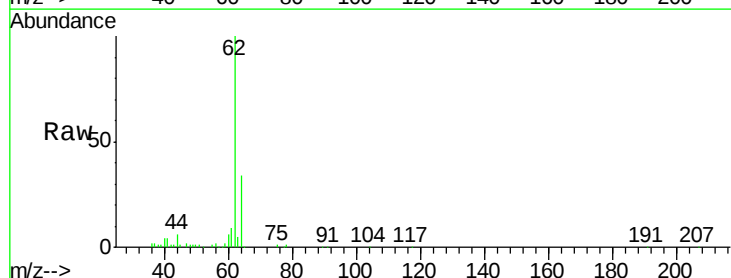
Acq: 20 Sep 2019 13:09

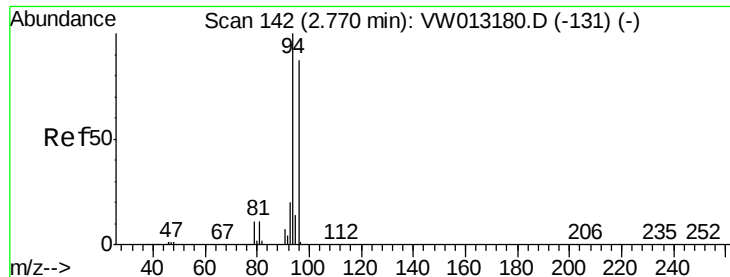
Tgt Ion: 62 Resp: 33450

Ion Ratio Lower Upper

62 100

64 34.0 25.3 37.9





#5

Bromomethane

Concen: 13.272 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.00 min

Lab File: VW013178.D

Acq: 20 Sep 2019 13:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion: 94 Resp: 20892

Ion Ratio Lower Upper

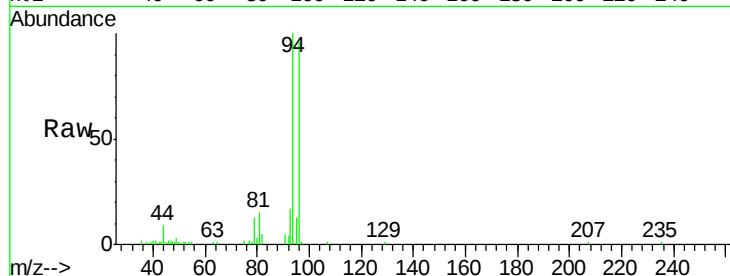
94 100

96 96.1 69.7 104.5

Manual Integrations
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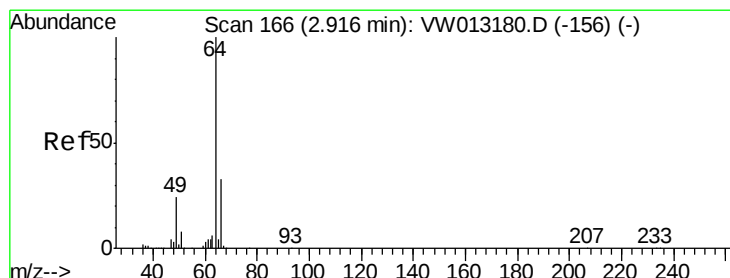
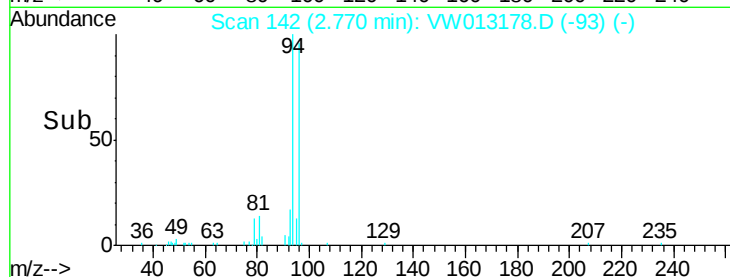
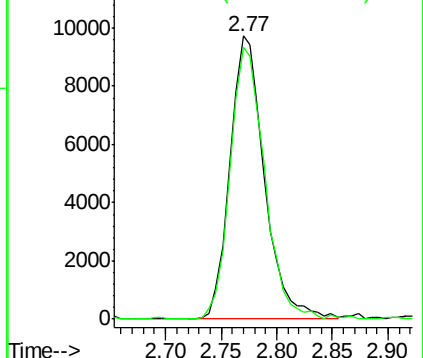
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Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 12.465 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.00 min

Lab File: VW013178.D

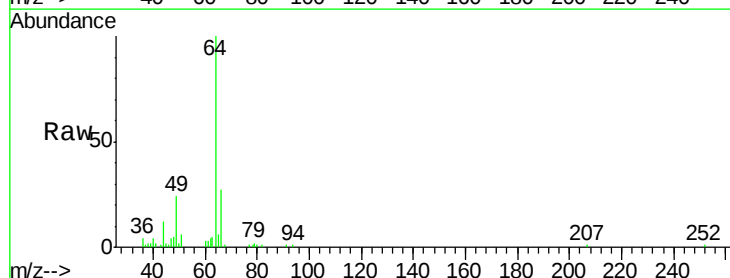
Acq: 20 Sep 2019 13:09

Tgt Ion: 64 Resp: 19296

Ion Ratio Lower Upper

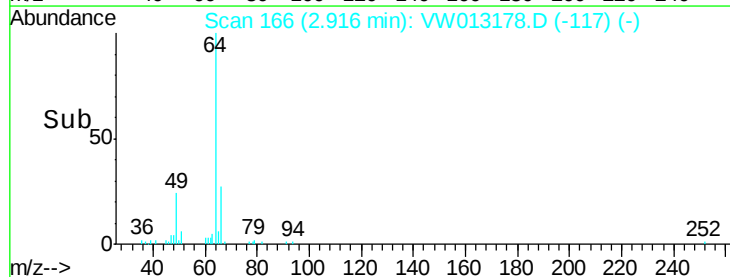
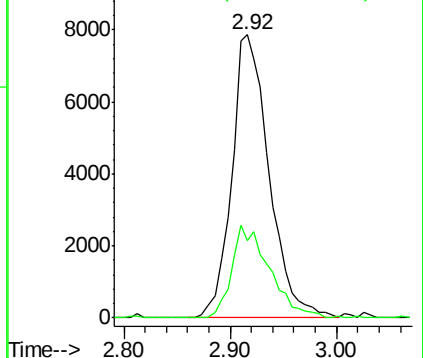
64 100

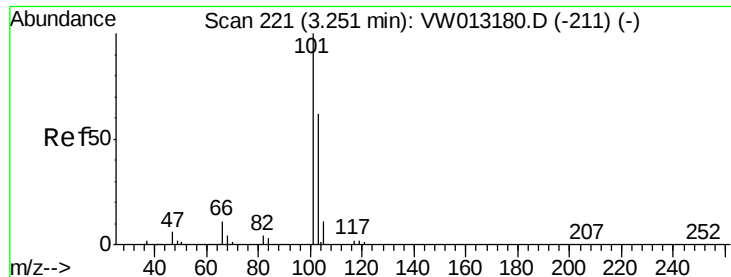
66 27.2 26.6 39.8



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW





#7

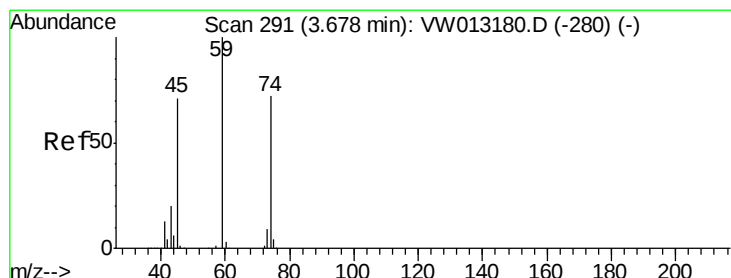
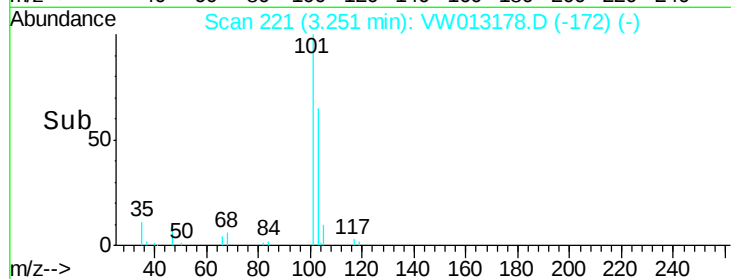
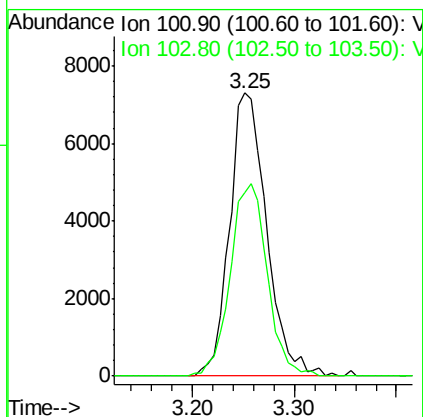
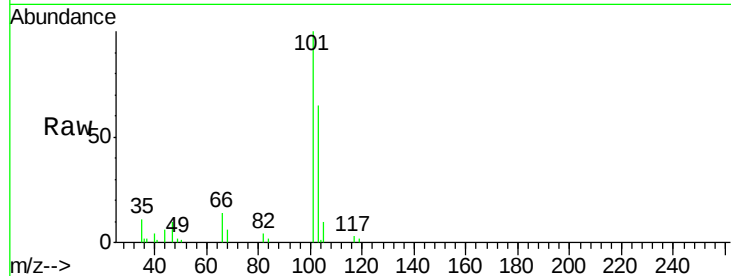
Trichlorofluoromethane
 Concen: 10.774 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.00 min
 Lab File: VW013178.D
 Acq: 20 Sep 2019 13:09

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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.8	49.7	74.5

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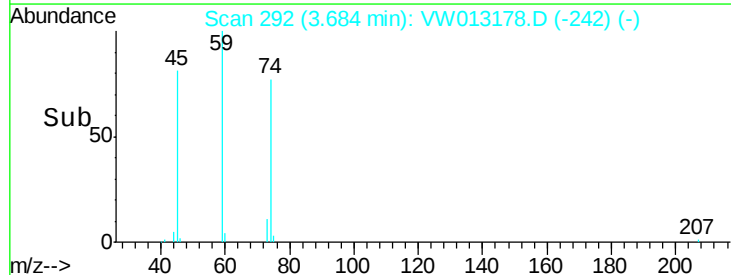
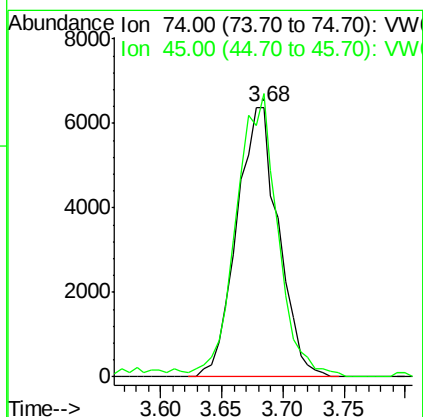
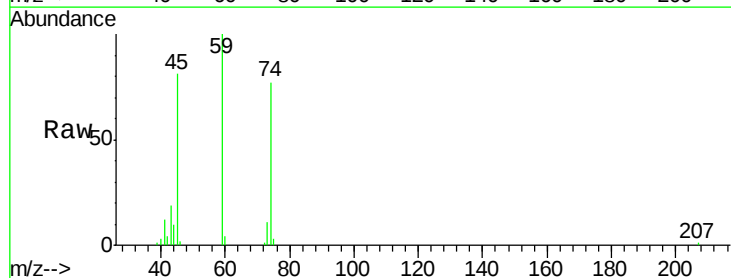
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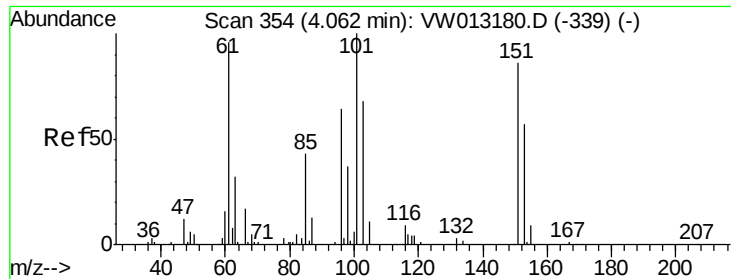


#8

Diethyl Ether
 Concen: 11.125 ug/l
 RT: 3.68 min Scan# 292
 Delta R.T. 0.01 min
 Lab File: VW013178.D
 Acq: 20 Sep 2019 13:09

Tgt Ion	Ratio	Lower	Upper
74	100		
45	104.4	49.5	148.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 11.820 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.00 min

Lab File: VW013178.D

Acq: 20 Sep 2019 13:09

Instrument :

MSVOA_W

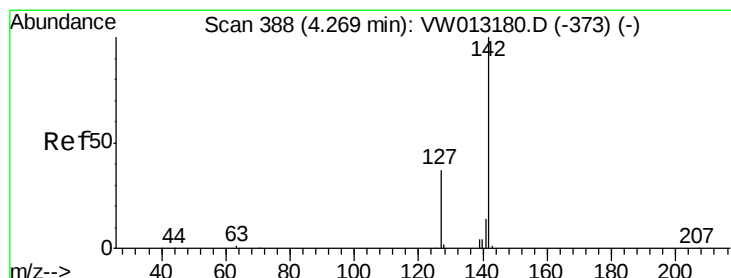
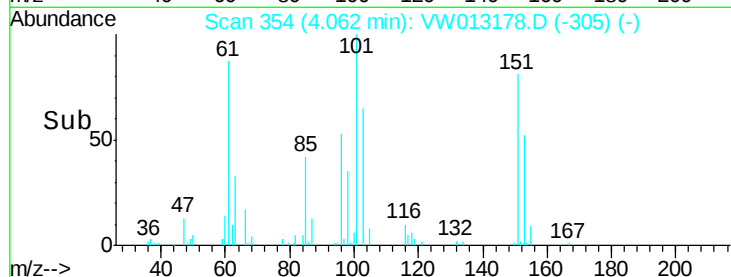
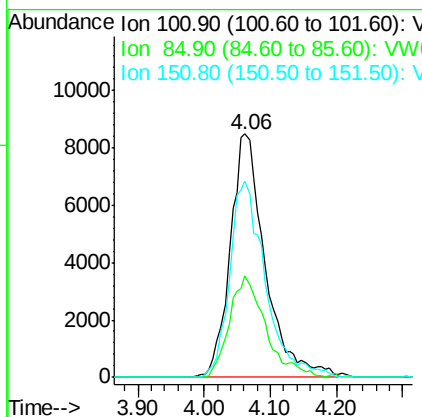
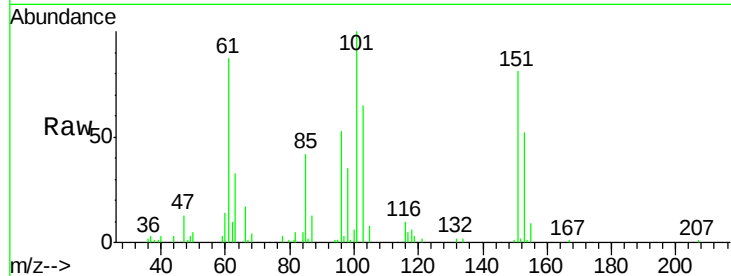
ClientSampled :

VSTDIC010

Tot Ion:	101	Resp:	31094
Ion Ratio	Lower	Upper	
101	100		
85	40.4	33.4	50.0
151	82.3	66.9	100.3

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#10

Methyl Iodide

Concen: 13.376 ug/l

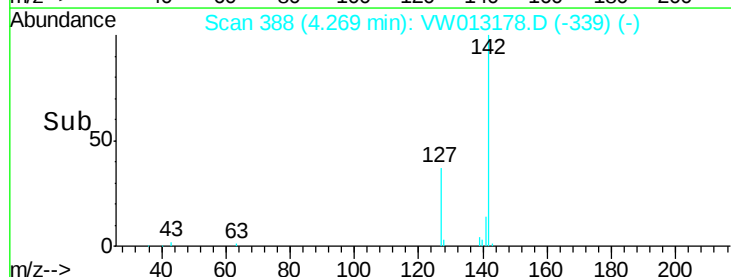
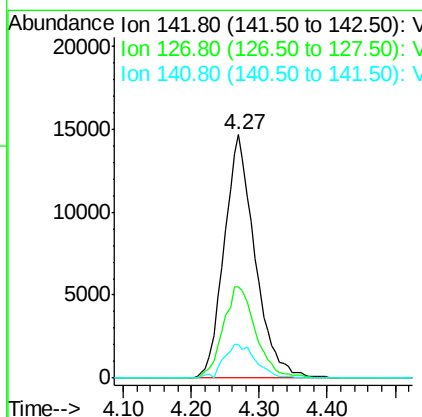
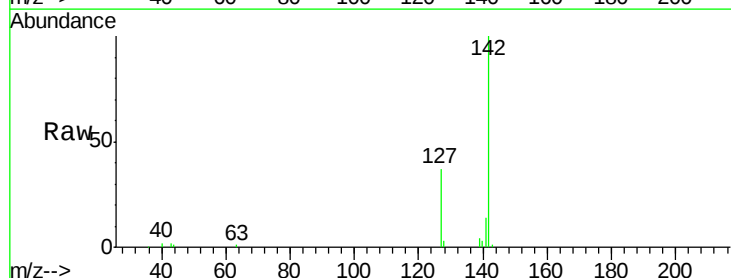
RT: 4.27 min Scan# 388

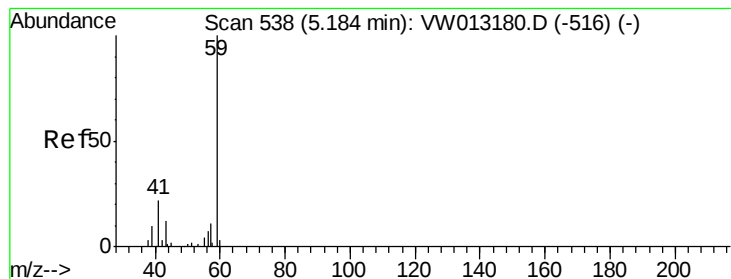
Delta R.T. -0.00 min

Lab File: VW013178.D

Acq: 20 Sep 2019 13:09

Tgt Ion:	142	Resp:	46009
Ion Ratio	Lower	Upper	
142	100		
127	39.8	30.9	46.3
141	14.6	11.7	17.5





#11

Tert butyl alcohol

Concen: 56.268 ug/l m

RT: 5.19 min Scan# 539

Delta R.T. 0.01 min

Lab File: VW013178.D

Acq: 20 Sep 2019 13:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion: 59 Resp: 13261

Ion Ratio Lower Upper

59 100

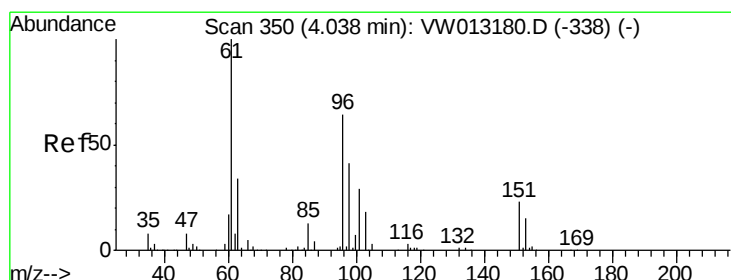
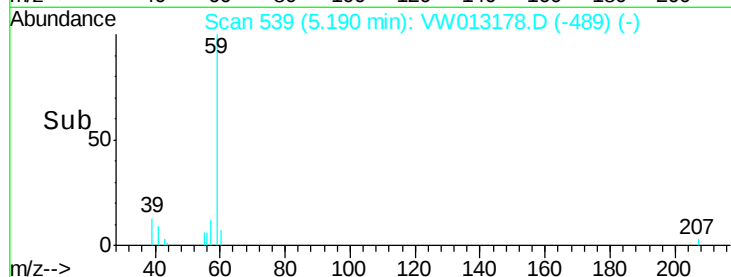
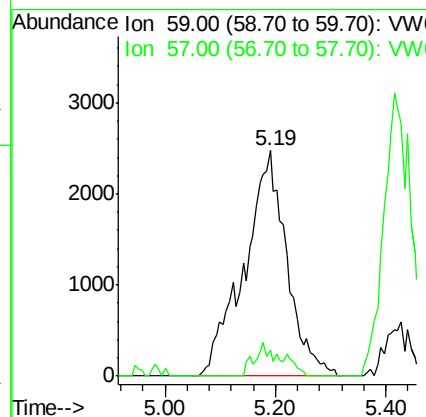
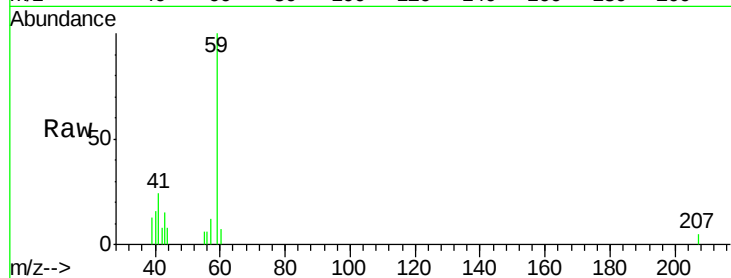
57 3.4 8.2 12.2#

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#12

1,1-Dichloroethene

Concen: 12.747 ug/l

RT: 4.04 min Scan# 351

Delta R.T. 0.01 min

Lab File: VW013178.D

Acq: 20 Sep 2019 13:09

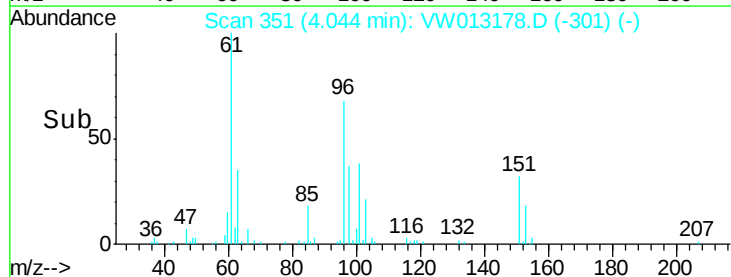
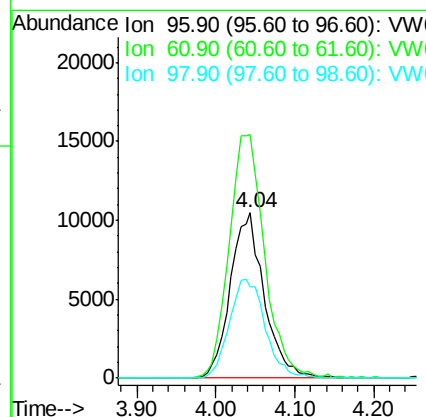
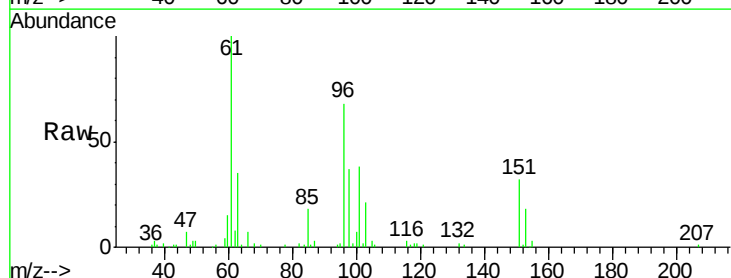
Tgt Ion: 96 Resp: 31256

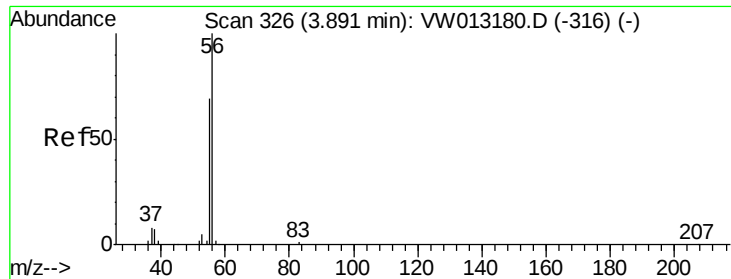
Ion Ratio Lower Upper

96 100

61 147.3 125.1 187.7

98 55.2 50.8 76.2





#13

Acrolein

Concen: 41.800 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.01 min

Lab File: VW013178.D

Acq: 20 Sep 2019 13:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion: 56 Resp: 8923

Ion Ratio Lower Upper

56 100

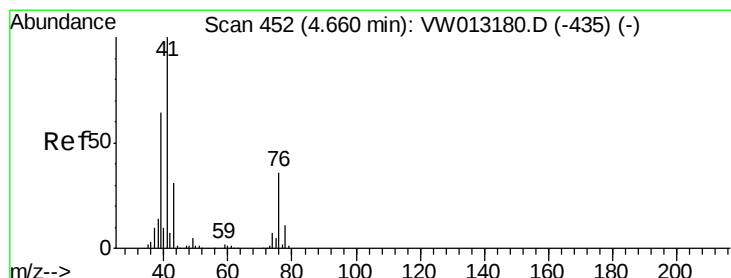
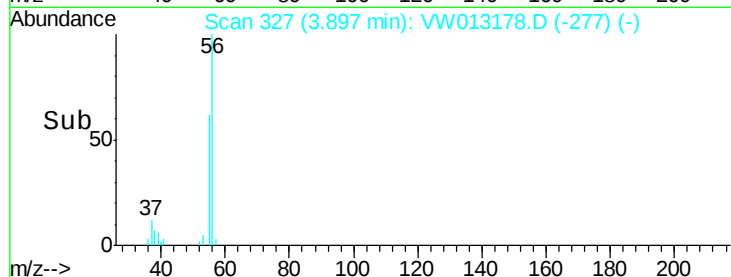
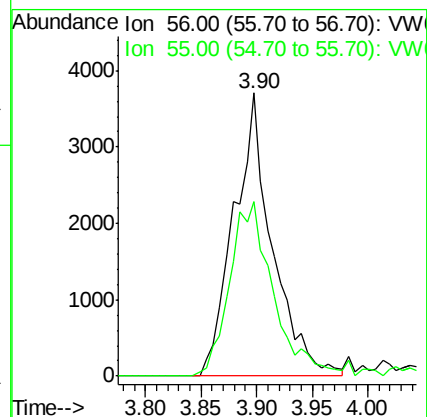
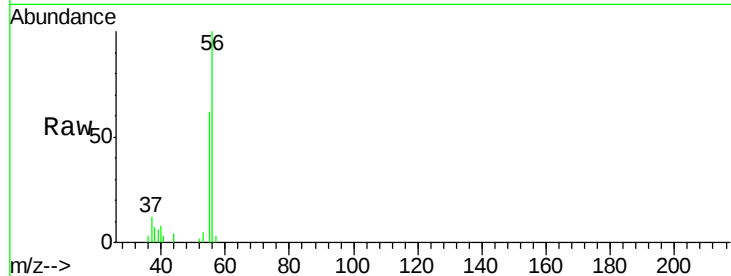
55 69.2 55.4 83.0

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#14

Allyl chloride

Concen: 10.776 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.01 min

Lab File: VW013178.D

Acq: 20 Sep 2019 13:09

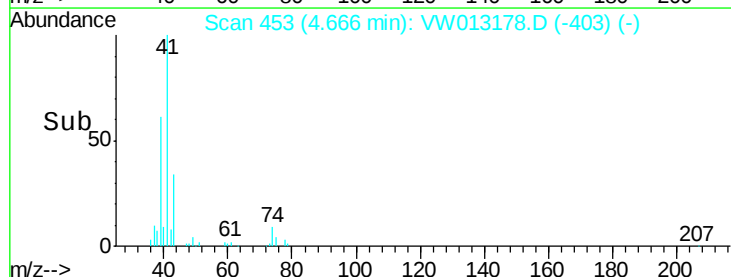
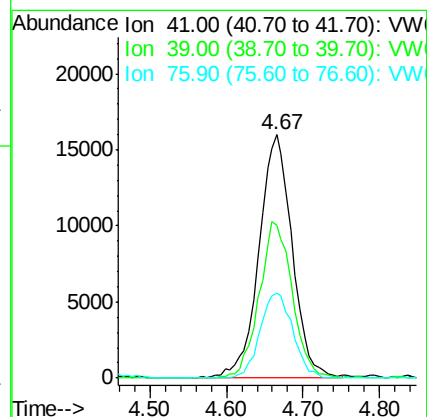
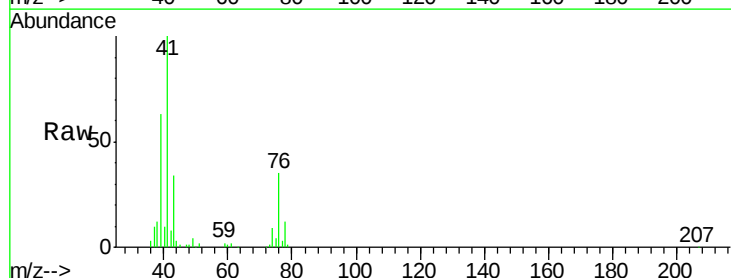
Tgt Ion: 41 Resp: 48454

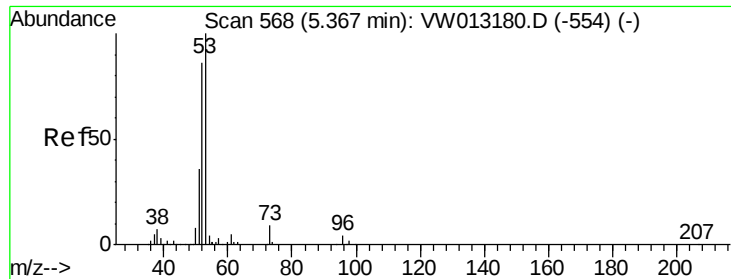
Ion Ratio Lower Upper

41 100

39 64.0 51.0 76.4

76 34.6 28.4 42.6





#15

Acrylonitrile

Concen: 51.228 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.01 min

Lab File: VW013178.D

Acq: 20 Sep 2019 13:09

Instrument :

MSVOA_W

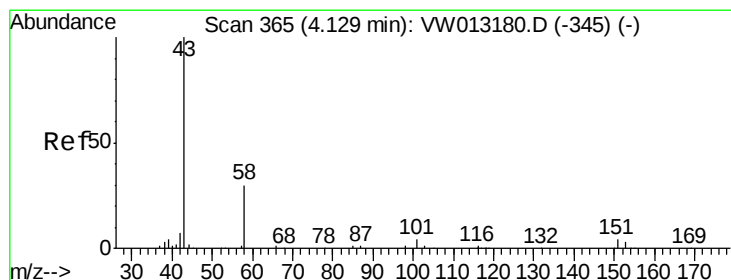
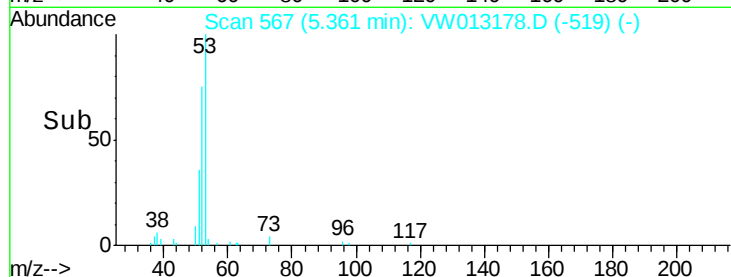
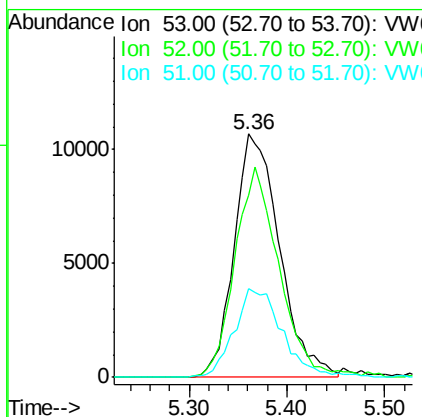
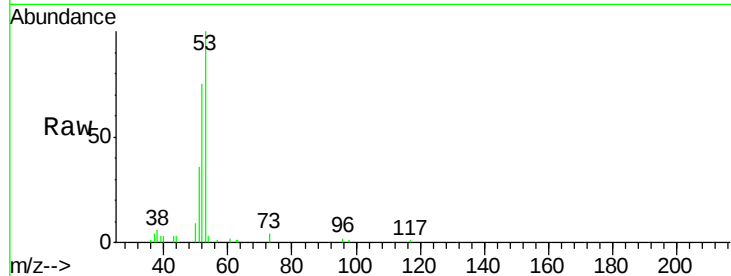
ClientSampleId :

VSTDIC010

Tot Ion:	53	Resp:	34311
Ion Ratio	Lower	Upper	
53	100		
52	84.9	65.3	97.9
51	38.6	29.0	43.4

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#16

Acetone

Concen: 45.466 ug/l

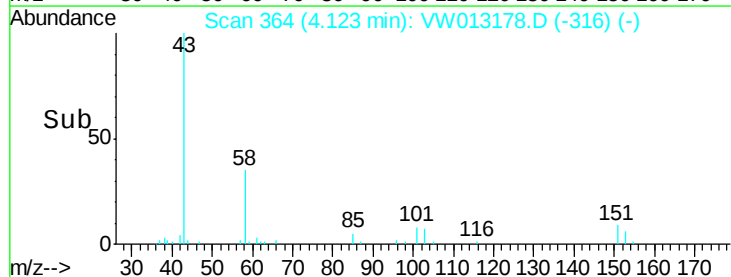
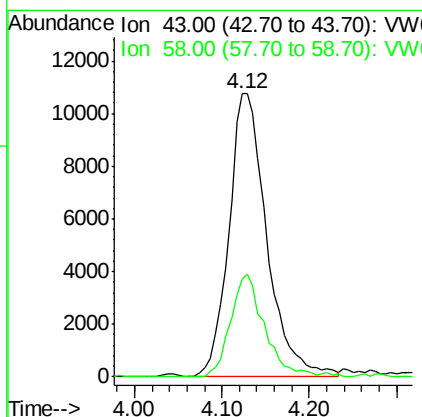
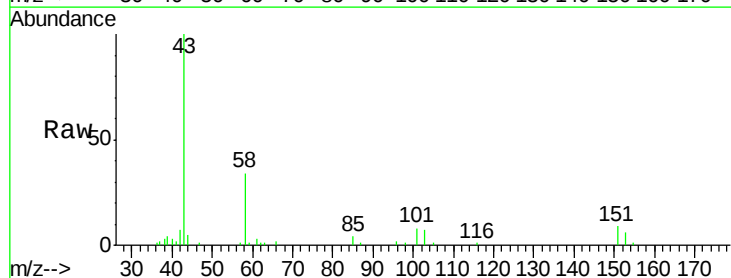
RT: 4.12 min Scan# 364

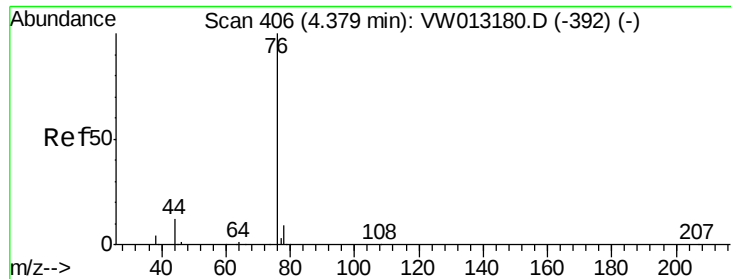
Delta R.T. -0.01 min

Lab File: VW013178.D

Acq: 20 Sep 2019 13:09

Tgt Ion:	43	Resp:	32421
Ion Ratio	Lower	Upper	
43	100		
58	34.5	24.1	36.1





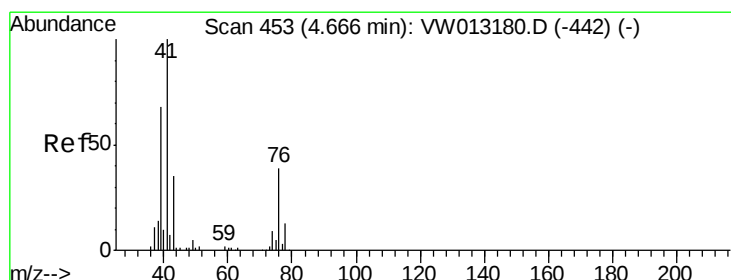
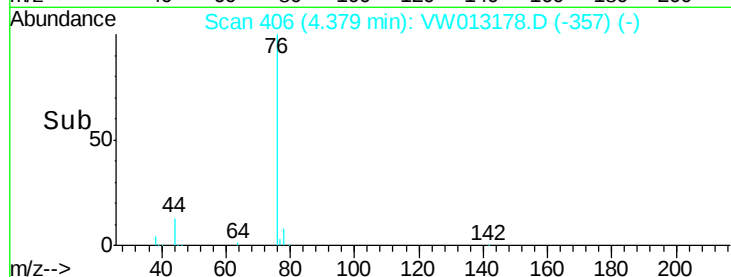
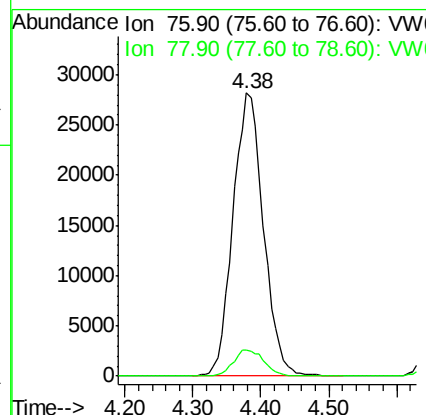
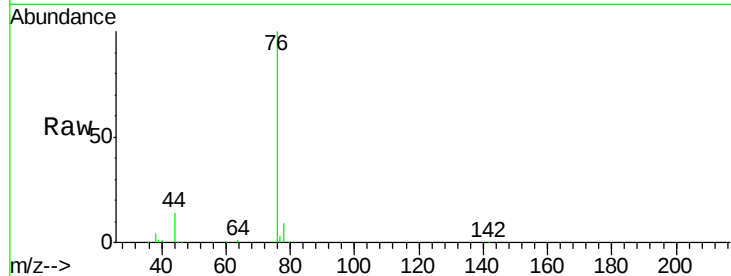
#17
Carbon Disulfide
Concen: 16.163 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.00 min
Lab File: VW013178.D
Acq: 20 Sep 2019 13:09

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.4	7.0	10.4

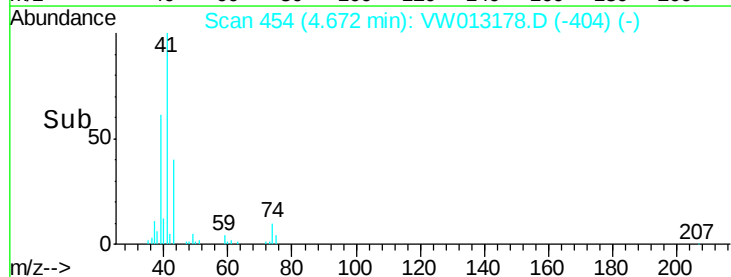
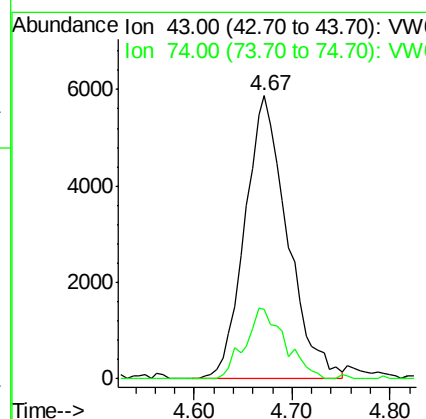
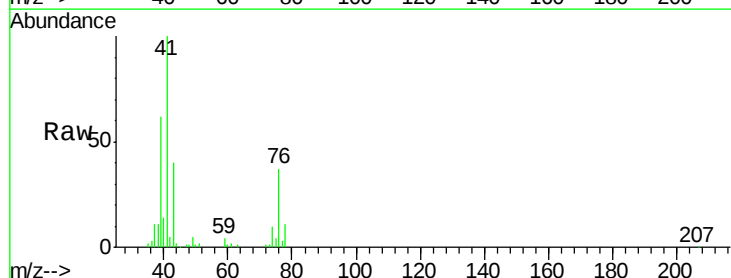
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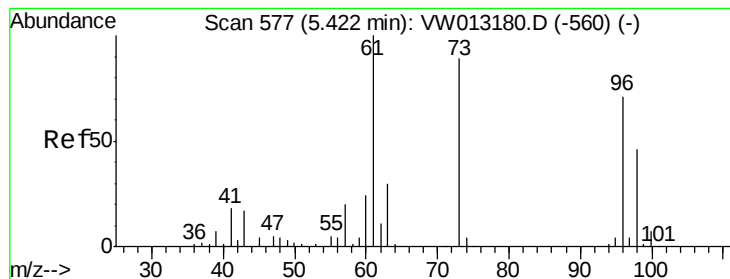
MMDadoda
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#18
Methyl Acetate
Concen: 10.091 ug/l
RT: 4.67 min Scan# 454
Delta R.T. 0.01 min
Lab File: VW013178.D
Acq: 20 Sep 2019 13:09

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.5	19.3	28.9





#19

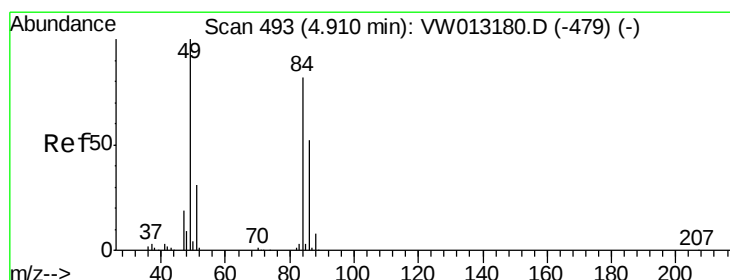
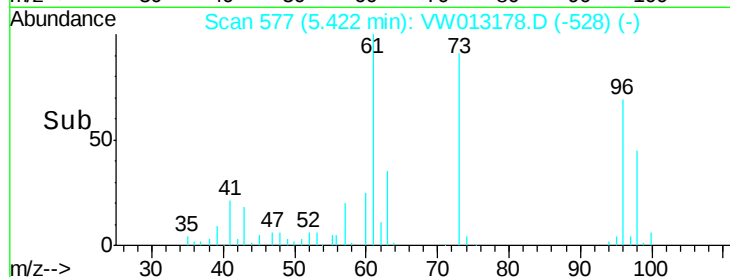
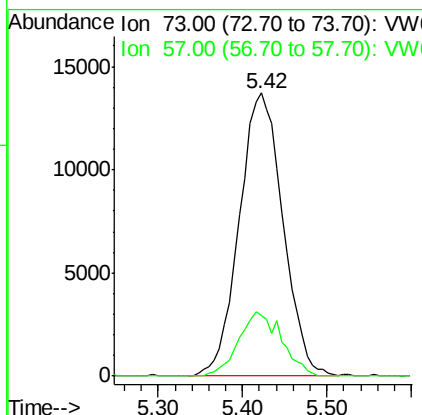
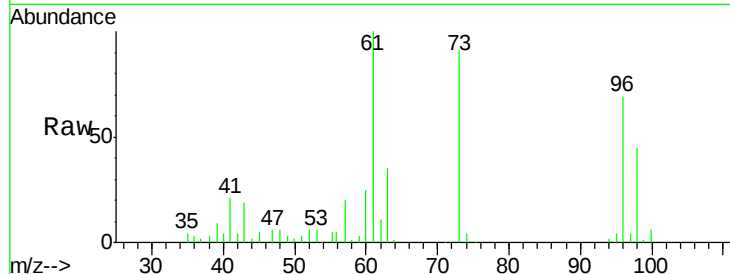
Methyl tert-butyl Ether
 Concen: 10.510 ug/l
 RT: 5.42 min Scan# 577
 Delta R.T. -0.00 min
 Lab File: VW013178.D
 Acq: 20 Sep 2019 13:09

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.6	17.6	26.4

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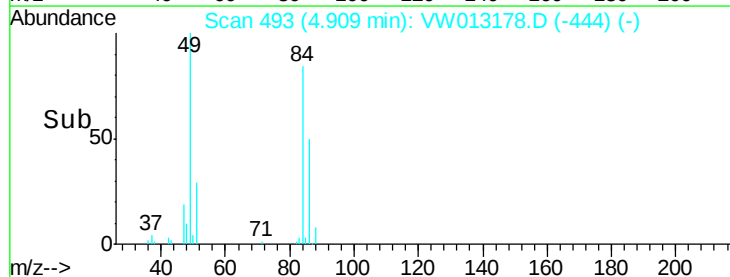
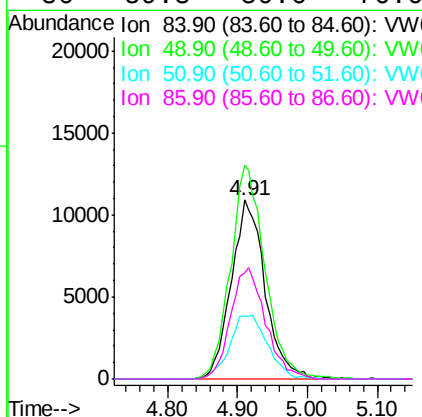
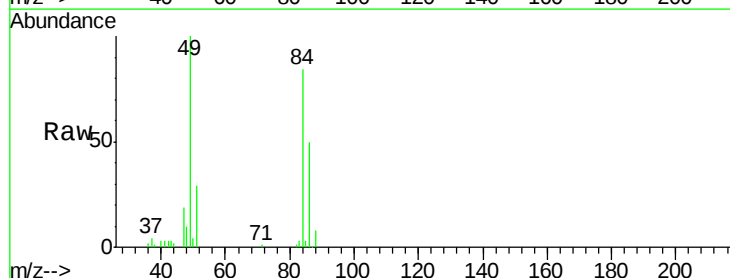
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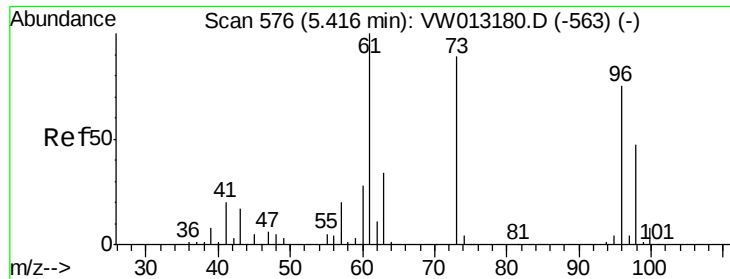


#20

Methylene Chloride
 Concen: 12.139 ug/l
 RT: 4.91 min Scan# 493
 Delta R.T. -0.00 min
 Lab File: VW013178.D
 Acq: 20 Sep 2019 13:09

Tgt Ion	Ratio	Lower	Upper
84	100		
49	119.6	97.6	146.4
51	34.8	30.2	45.2
86	59.8	50.6	76.0





#21

trans-1,2-Dichloroethene

Concen: 12.607 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.00 min

Lab File: VW013178.D

Acq: 20 Sep 2019 13:09

Instrument :

MSVOA_W

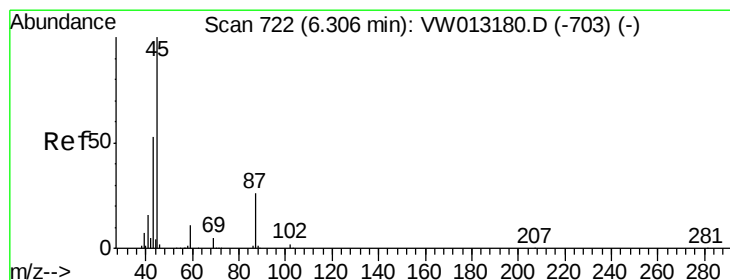
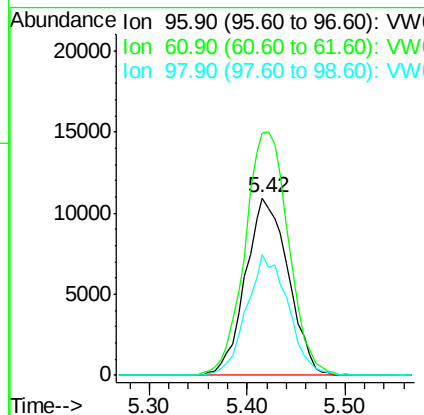
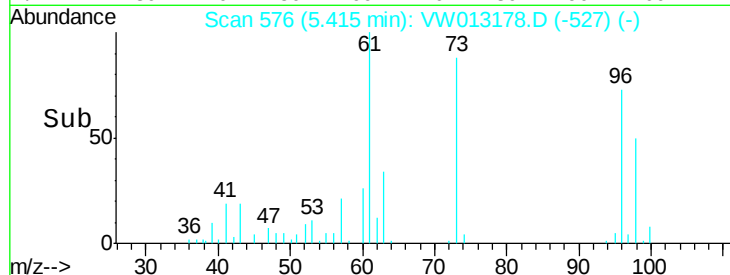
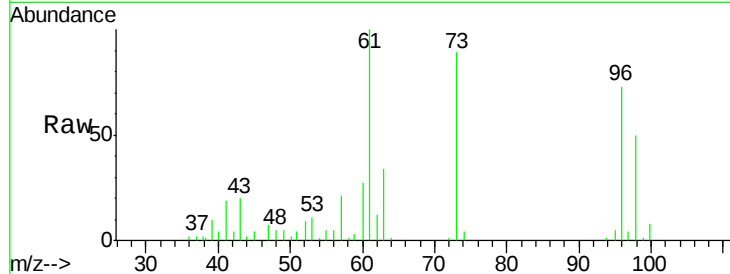
ClientSampleId :

VSTDIC010

Tot Ion:	96	Resp:	33211
Ion	Ratio	Lower	Upper
96	100		
61	136.3	106.6	159.8
98	67.8	49.8	74.8

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#22

Diisopropyl ether

Concen: 10.002 ug/l

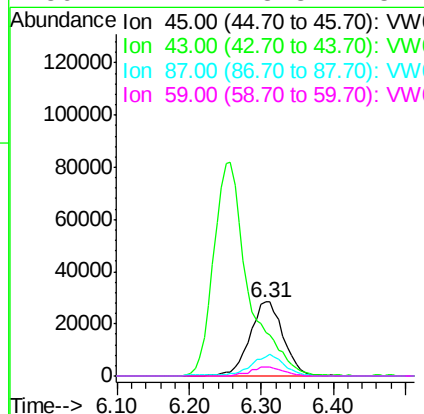
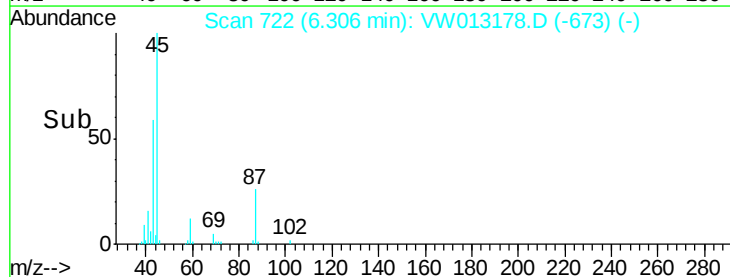
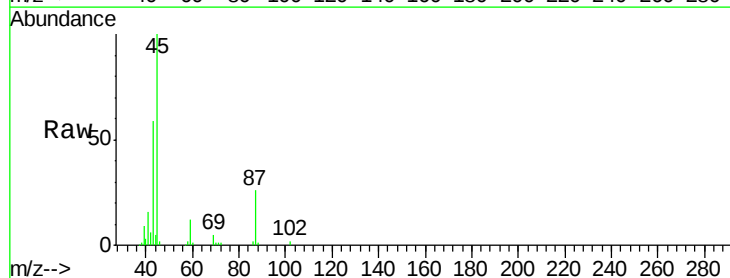
RT: 6.31 min Scan# 722

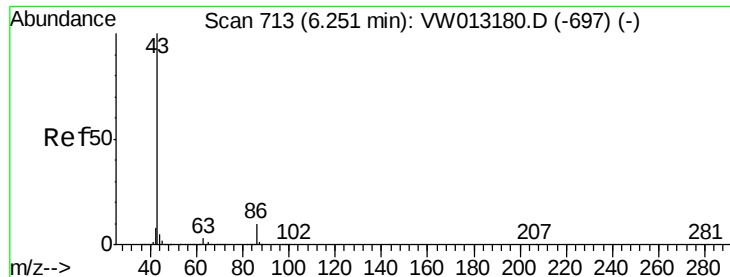
Delta R.T. -0.00 min

Lab File: VW013178.D

Acq: 20 Sep 2019 13:09

Tgt Ion:	45	Resp:	91989
Ion	Ratio	Lower	Upper
45	100		
43	57.8	42.4	63.6
87	26.3	20.4	30.6
59	11.7	8.8	13.2





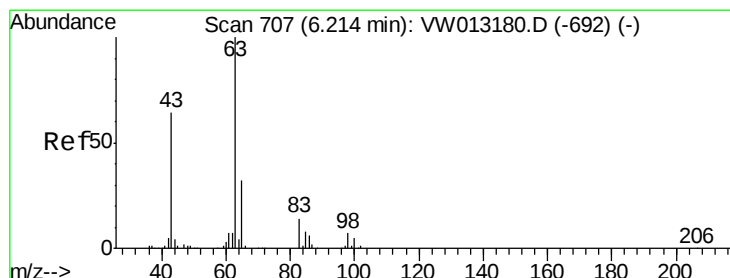
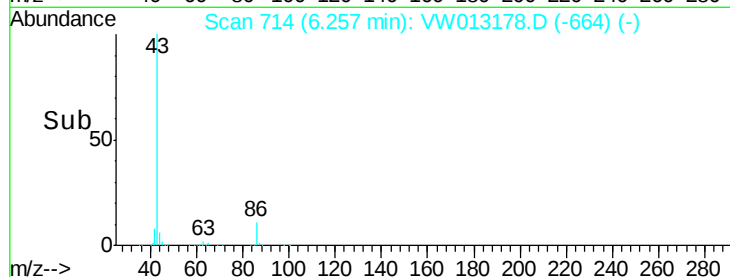
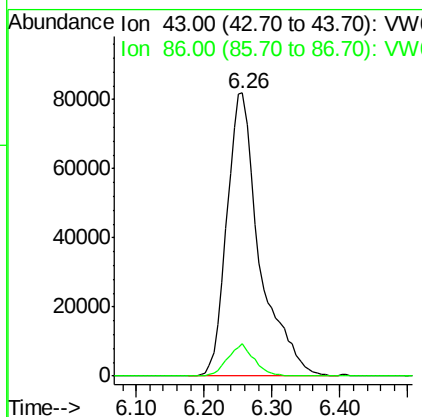
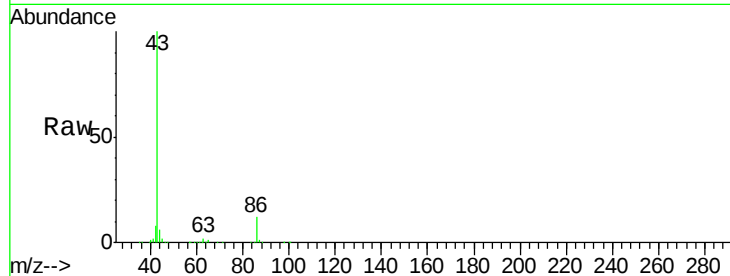
#23
 Vinyl Acetate
 Concen: 50.135 ug/l
 RT: 6.26 min Scan# 714
 Delta R.T. 0.01 min
 Lab File: VW013178.D
 Acq: 20 Sep 2019 13:09

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
43	100	274179		
86	11.7		8.3	12.5

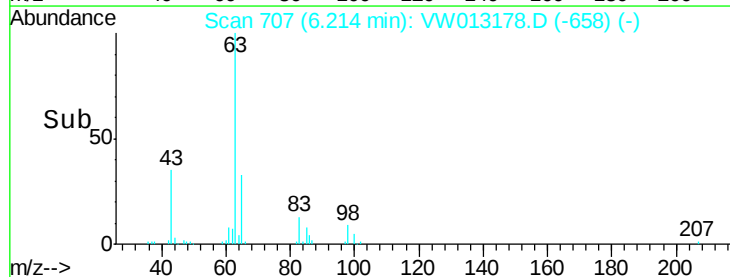
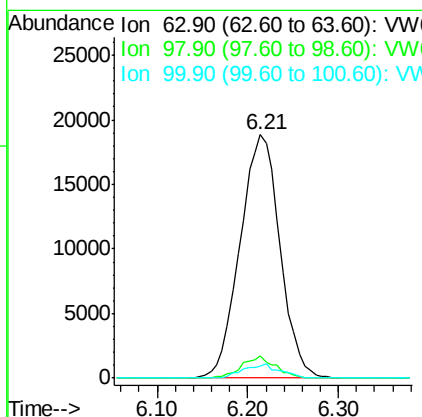
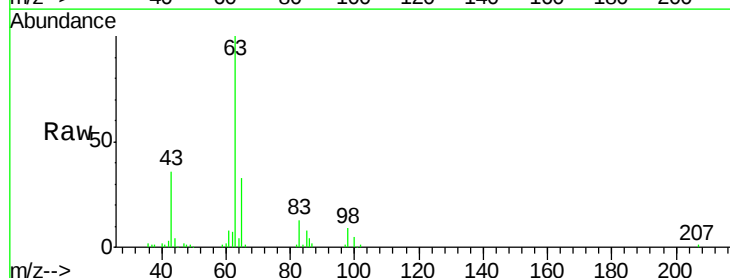
Manual Integrations
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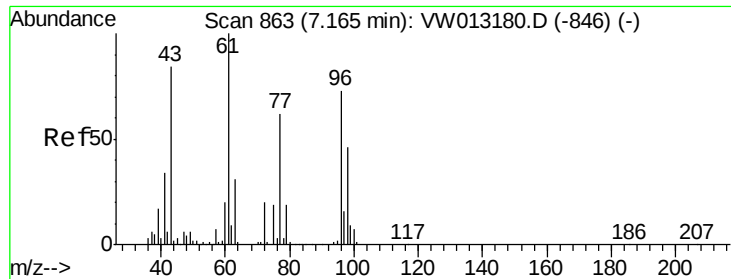
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#24
 1,1-Dichloroethane
 Concen: 10.695 ug/l
 RT: 6.21 min Scan# 707
 Delta R.T. -0.00 min
 Lab File: VW013178.D
 Acq: 20 Sep 2019 13:09

Tgt Ion	Ratio	Resp	Lower	Upper
63	100	57297		
98	9.1		3.5	10.5
100	4.7		2.4	7.1





#25

2-Butanone

Concen: 50.788 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW013178.D

Acq: 20 Sep 2019 13:09

Instrument :

MSVOA_W

ClientSampled :

VSTDIC010

Tot Ion: 43 Resp: 49151

Ion Ratio Lower Upper

43 100

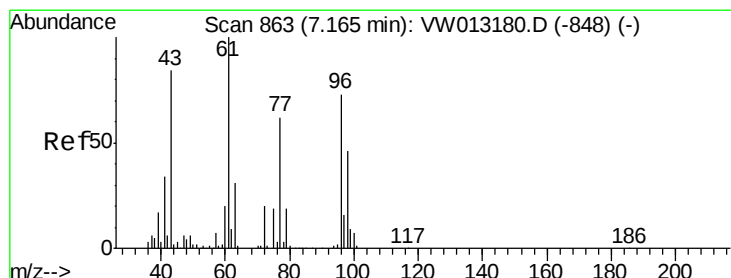
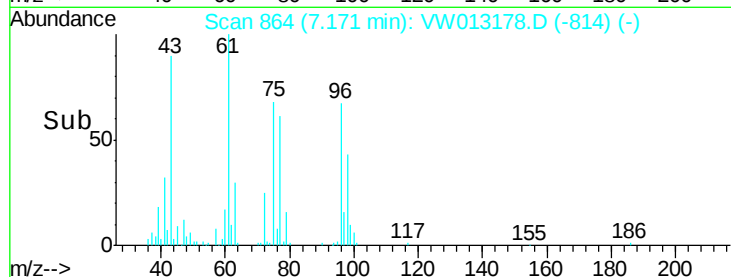
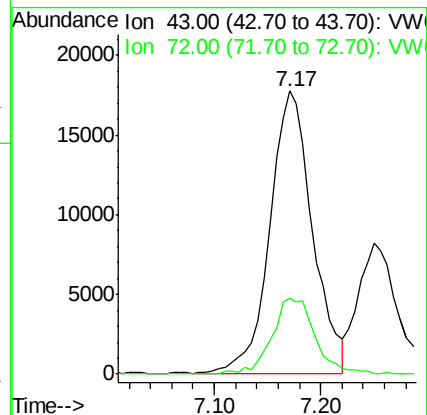
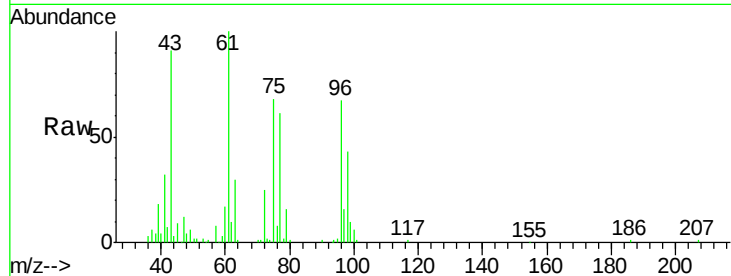
72 27.1 19.4 29.0

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 10.728 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW013178.D

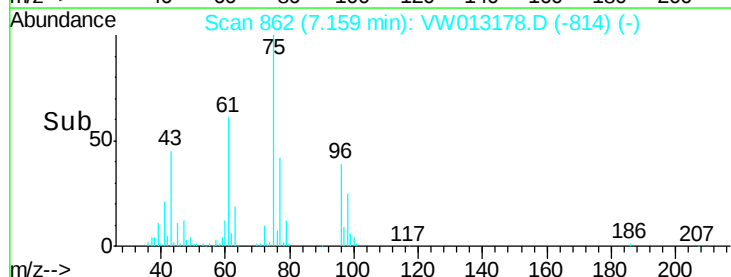
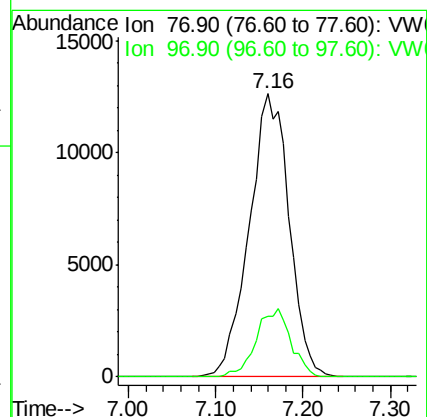
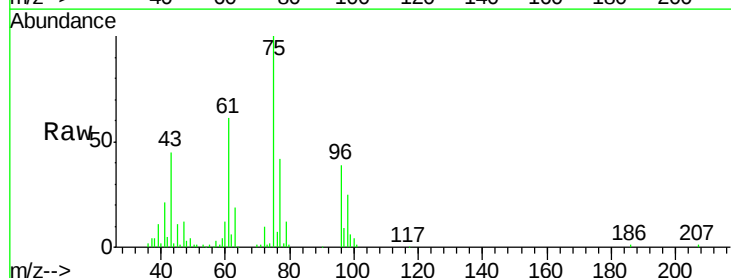
Acq: 20 Sep 2019 13:09

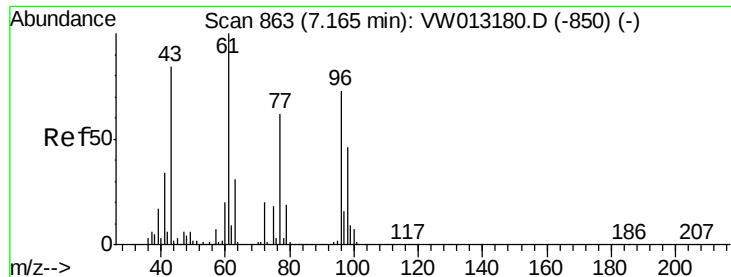
Tgt Ion: 77 Resp: 40119

Ion Ratio Lower Upper

77 100

97 20.9 11.8 35.4





#27

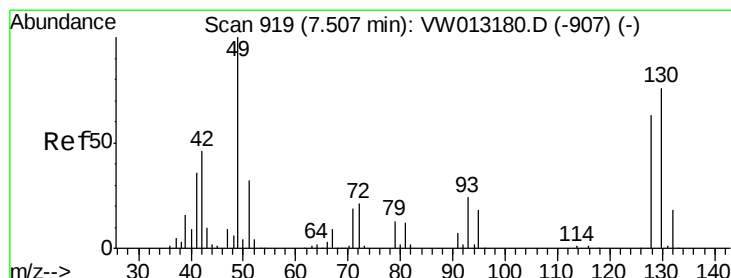
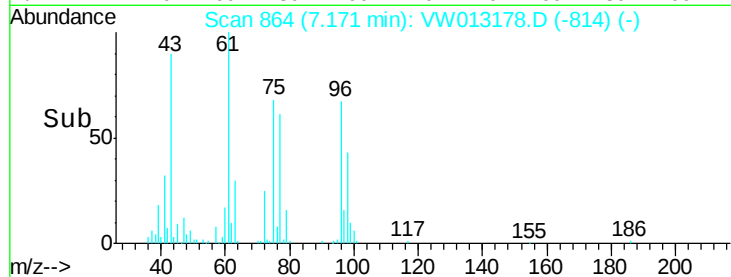
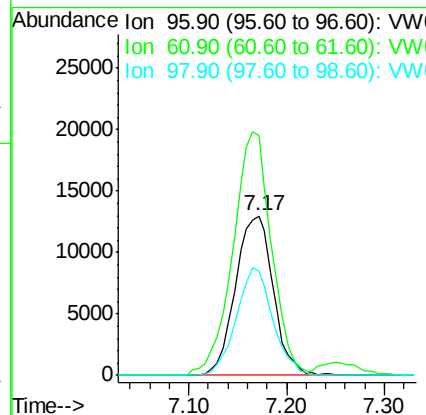
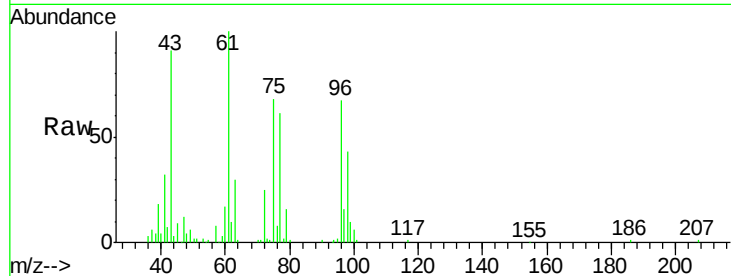
cis-1,2-Dichloroethene
 Concen: 11.234 ug/l
 RT: 7.17 min Scan# 864
 Delta R.T. 0.01 min
 Lab File: VW013178.D
 Acq: 20 Sep 2019 13:09

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
96	100		
61	155.5	0.0	282.4
98	64.9	0.0	128.2

Manual Integrations
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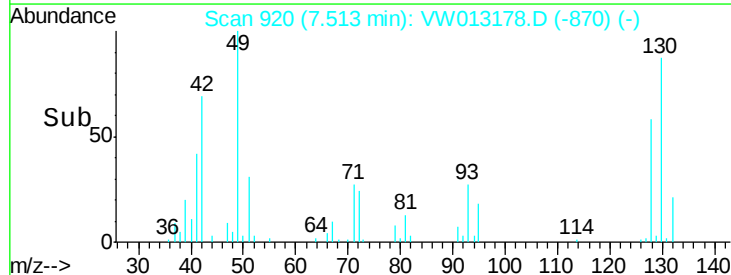
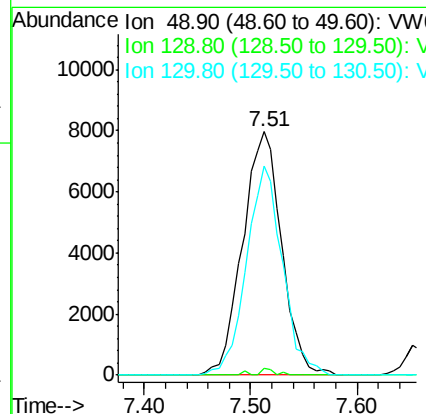
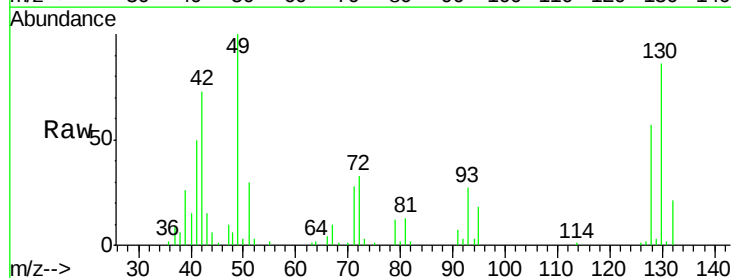
MMDadoda
 9/24/2019 5:28:42 AM

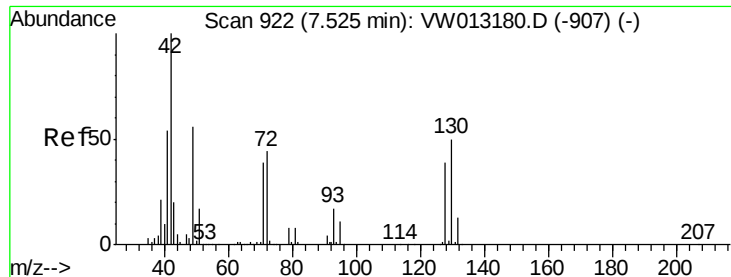


#28

Bromochloromethane
 Concen: 9.104 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. 0.01 min
 Lab File: VW013178.D
 Acq: 20 Sep 2019 13:09

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.8	0.0	1.0
130	79.4	63.4	95.2





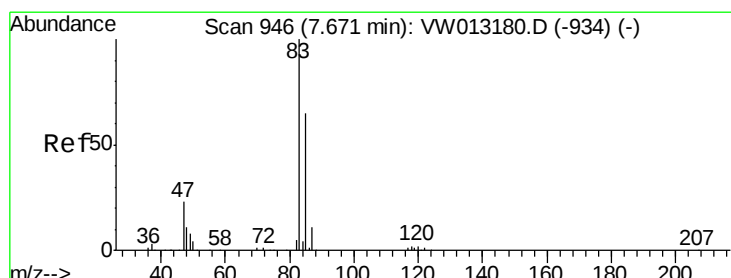
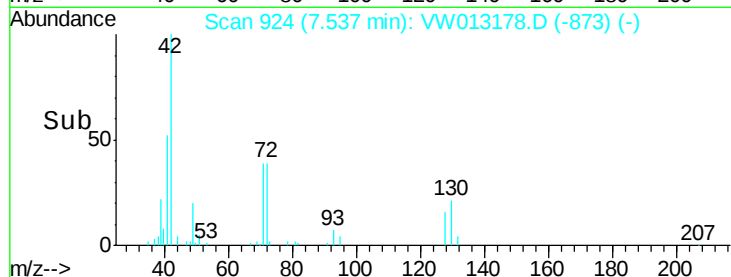
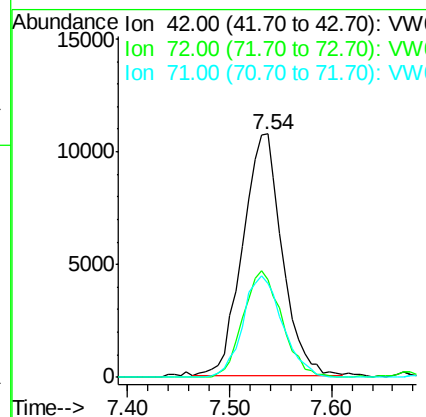
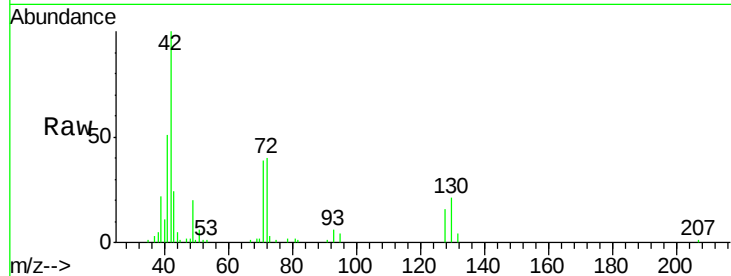
#29
Tetrahydrofuran
Concen: 51.458 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW013178.D
Acq: 20 Sep 2019 13:09

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion:	42	Resp:	28757
Ion	Ratio	Lower	Upper
42	100		
72	43.5	33.9	50.9
71	42.2	31.9	47.9

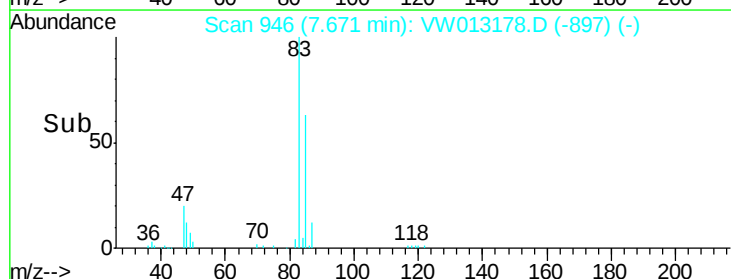
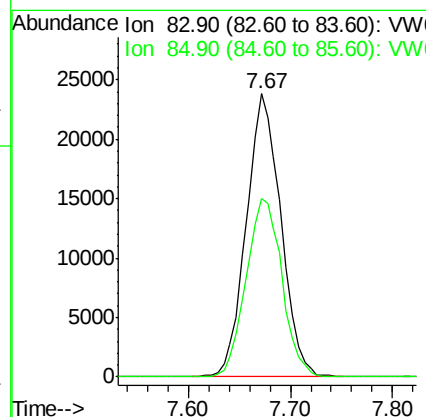
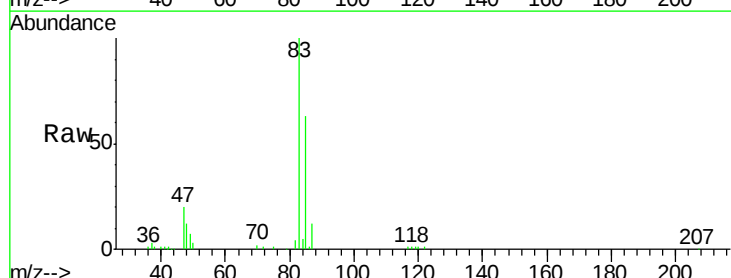
Manual Integrations
APPROVED

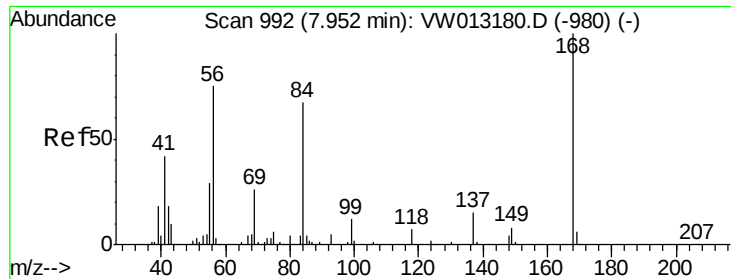
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#30
Chloroform
Concen: 10.409 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW013178.D
Acq: 20 Sep 2019 13:09

Tgt Ion:	83	Resp:	55997
Ion	Ratio	Lower	Upper
83	100		
85	63.0	52.3	78.5





#31

Cyclohexane

Concen: 12.770 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW013178.D

Acq: 20 Sep 2019 13:09

Instrument :

MSVOA_W

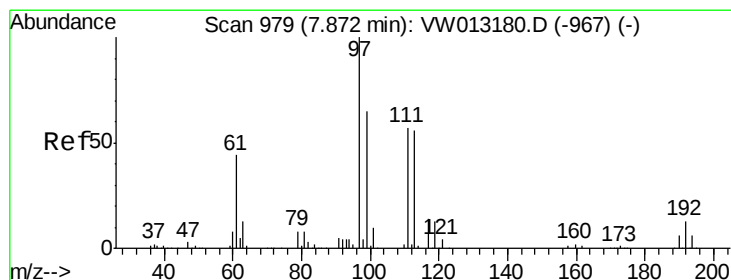
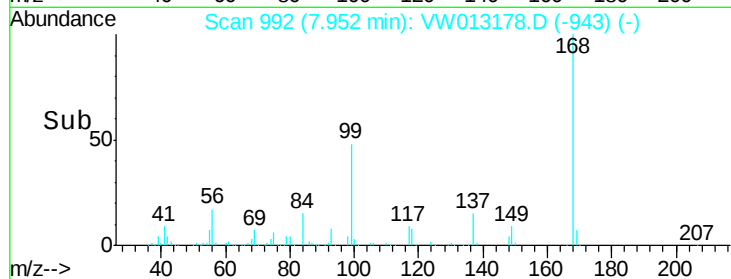
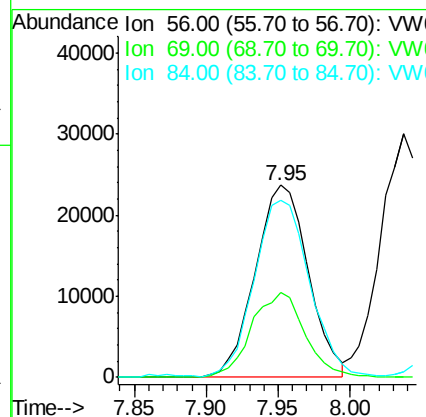
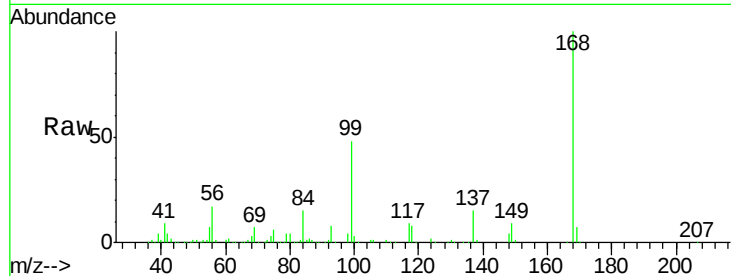
ClientSampleId :

VSTDIC010

Tot Ion:	56	Resp:	60752
Ion Ratio	Lower	Upper	
56	100		
69	44.5	27.2	40.8#
84	91.2	70.8	106.2

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 9.931 ug/l

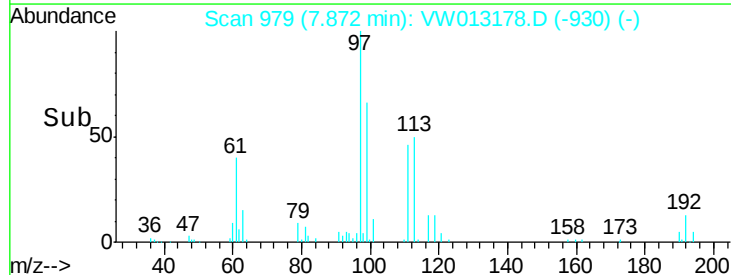
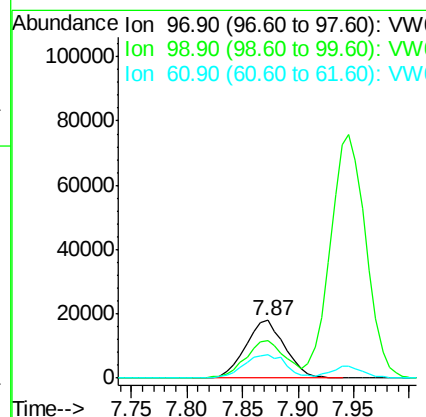
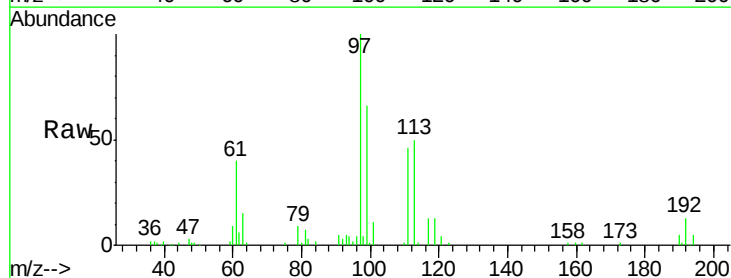
RT: 7.87 min Scan# 979

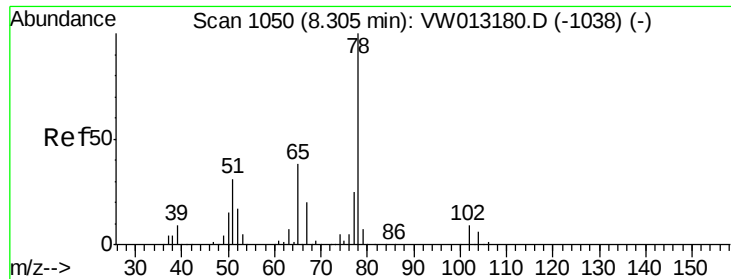
Delta R.T. -0.00 min

Lab File: VW013178.D

Acq: 20 Sep 2019 13:09

Tgt Ion:	97	Resp:	44070
Ion Ratio	Lower	Upper	
97	100		
99	66.7	51.7	77.5
61	43.8	34.6	51.8





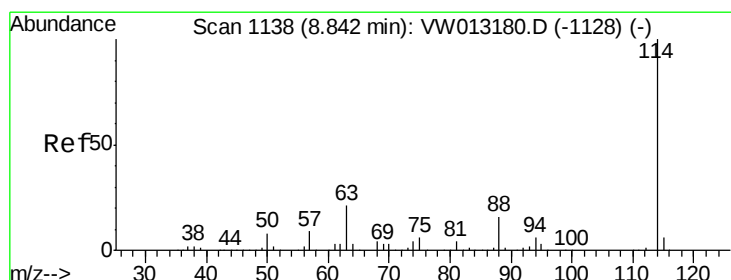
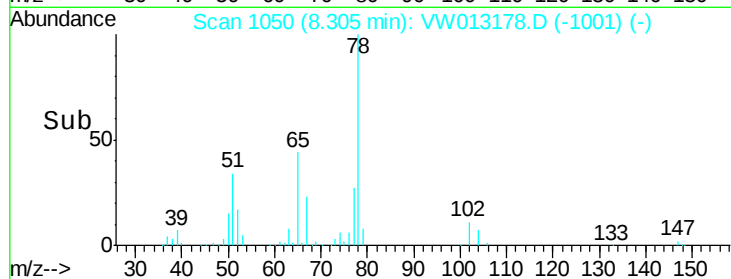
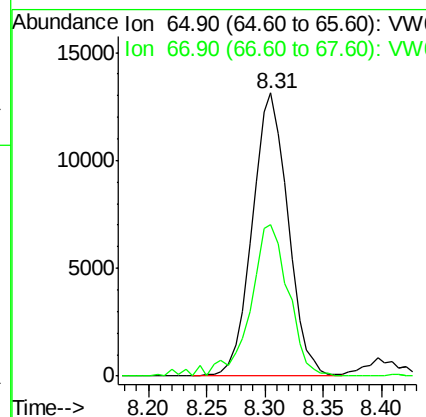
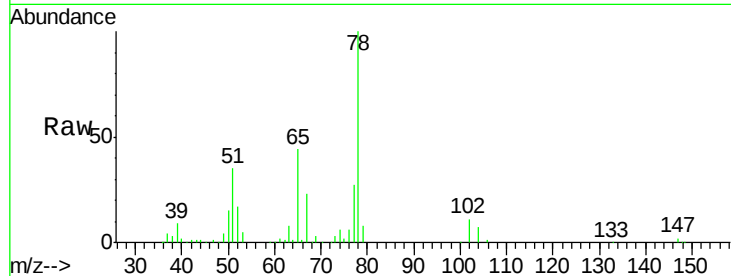
#33
 1,2-Dichloroethane-d4
 Concen: 9.248 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW013178.D
 Acq: 20 Sep 2019 13:09

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
65	100	28005		
67	56.7	0.0	106.2	

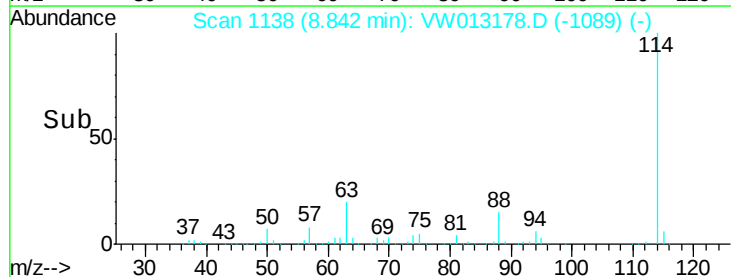
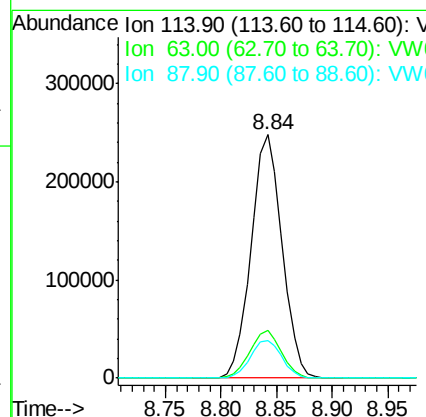
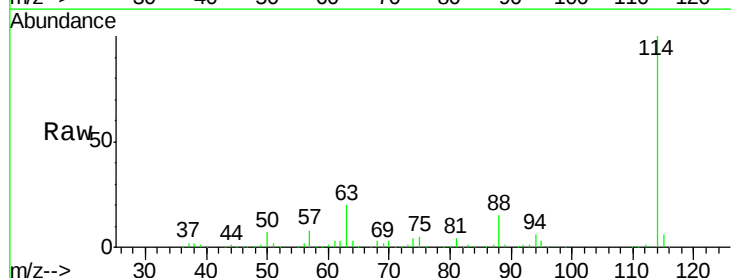
Manual Integrations
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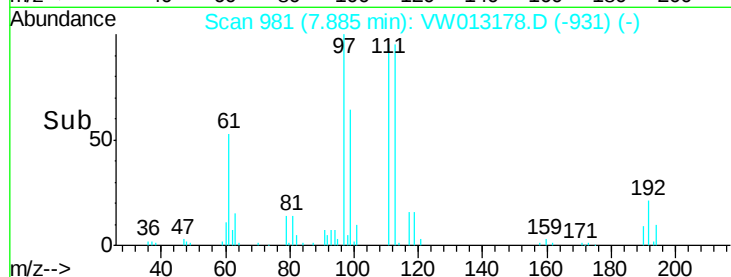
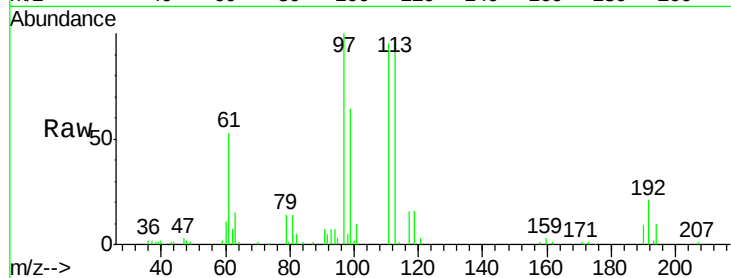
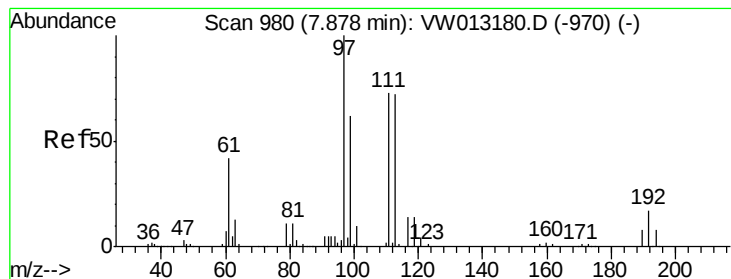
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW013178.D
 Acq: 20 Sep 2019 13:09

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	480644		
63	19.5	0.0	41.4	
88	15.3	0.0	32.0	





#35

Dibromofluoromethane

Concen: 9.870 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.01 min

Lab File: VW013178.D

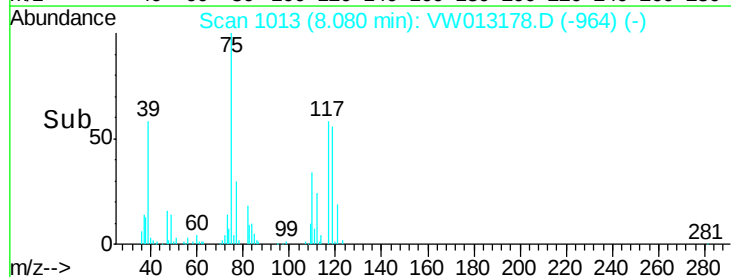
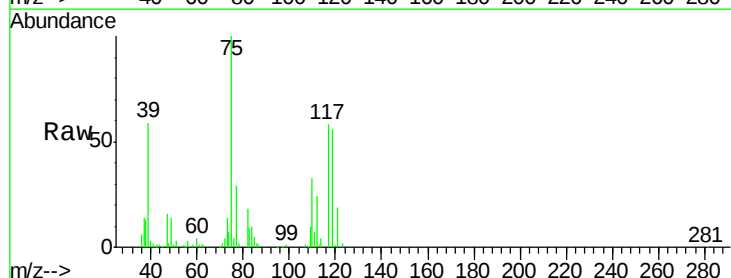
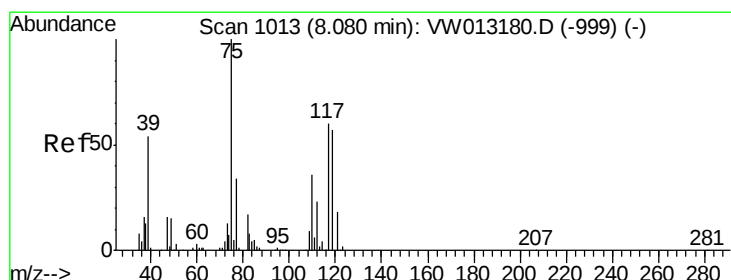
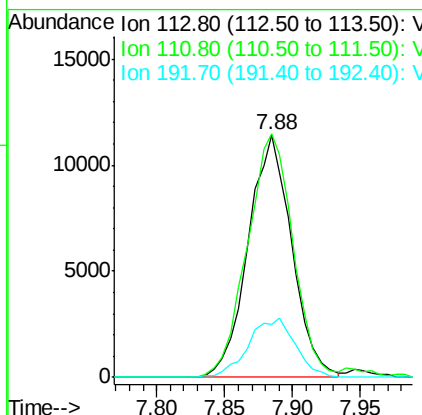
Acq: 20 Sep 2019 13:09

Tot Ion:	113	Resp:	25651
Ion	Ratio	Lower	Upper
113	100		
111	104.9	81.9	122.9
192	26.1	19.1	28.7

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 11.967 ug/l

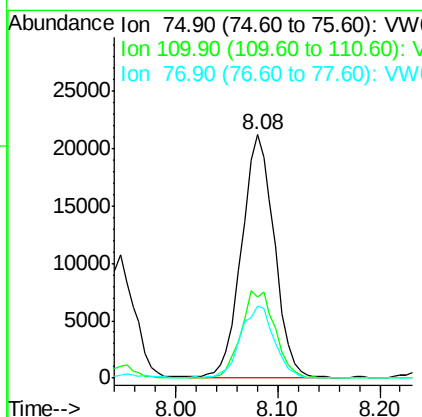
RT: 8.08 min Scan# 1013

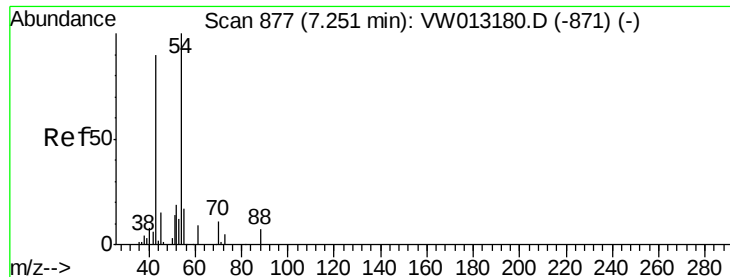
Delta R.T. -0.00 min

Lab File: VW013178.D

Acq: 20 Sep 2019 13:09

Tgt Ion:	75	Resp:	47426
Ion	Ratio	Lower	Upper
75	100		
110	37.1	18.1	54.3
77	30.8	25.8	38.6





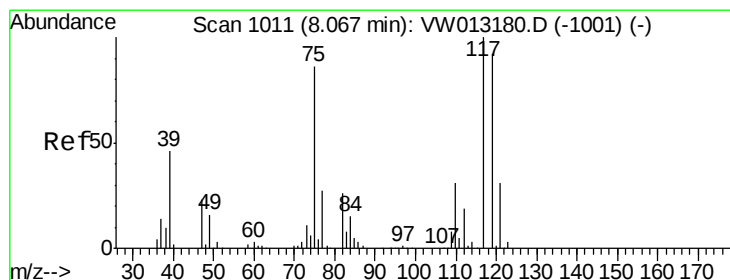
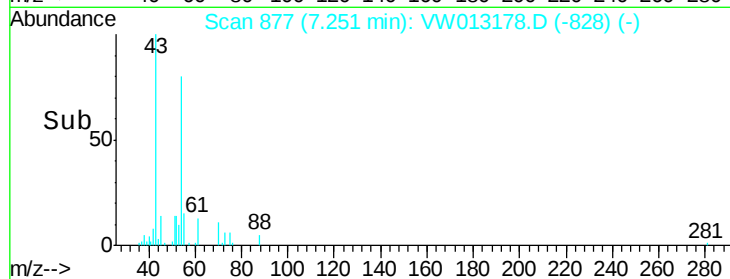
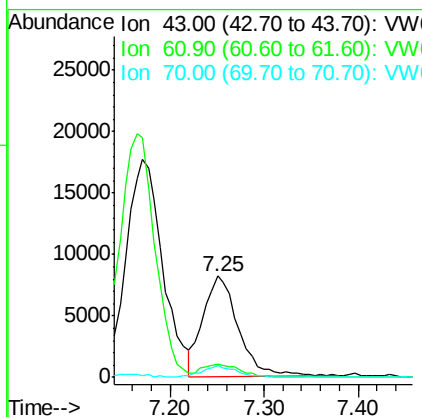
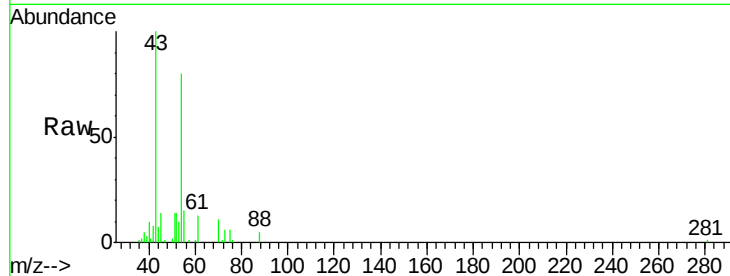
#37
Ethyl Acetate
Concen: 10.526 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW013178.D
Acq: 20 Sep 2019 13:09

Instrument :
MSVOA_W
ClientSampleID :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.6	10.9	16.3
70	10.7	8.2	12.2

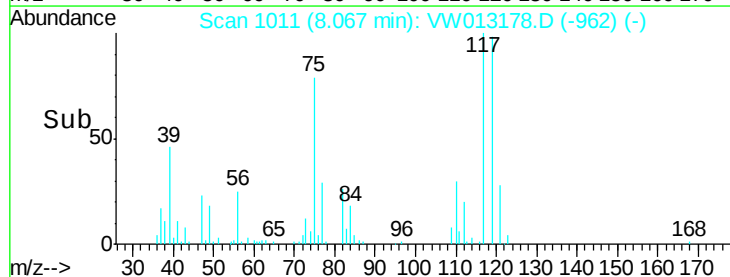
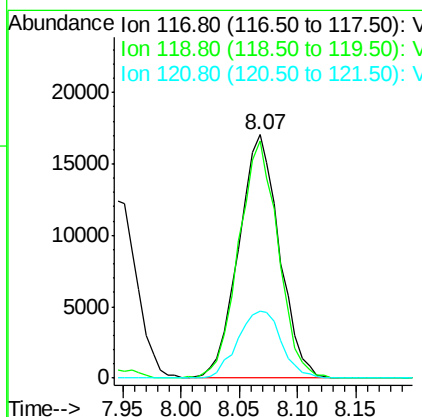
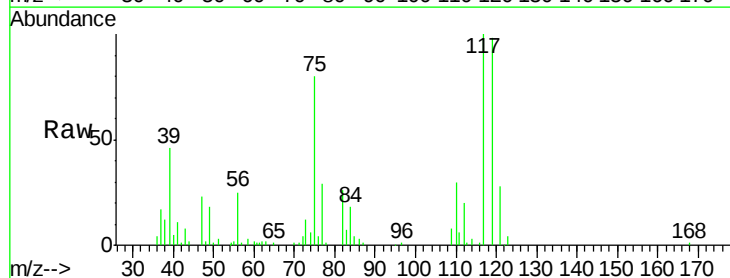
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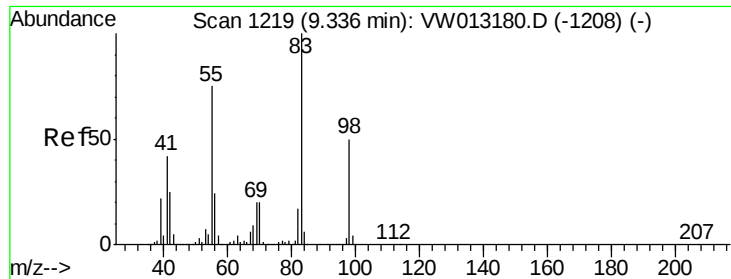
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#38
Carbon Tetrachloride
Concen: 10.450 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW013178.D
Acq: 20 Sep 2019 13:09

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.7	73.5	110.3
121	27.7	25.0	37.6





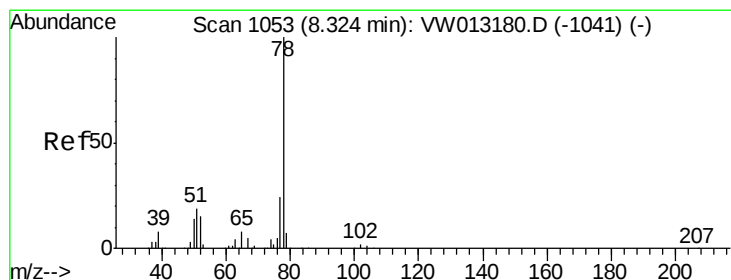
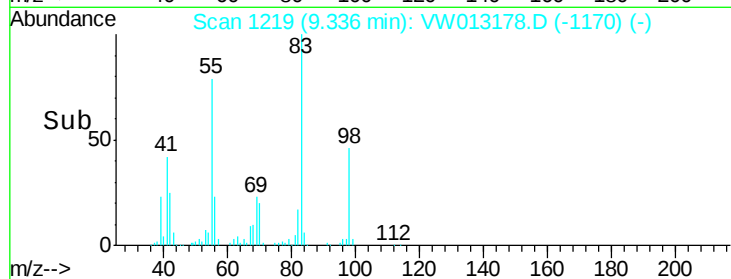
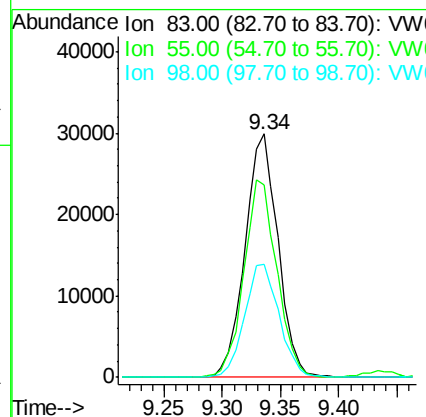
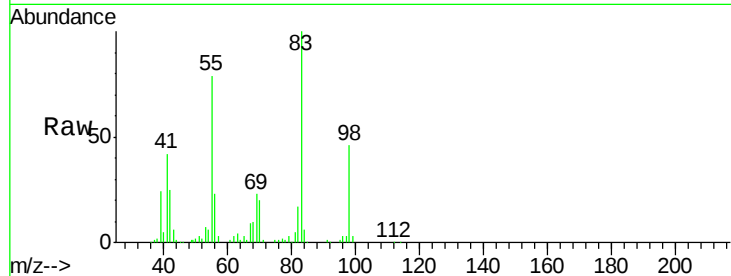
#39
Methvlcvclohexane
Concen: 13.038 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW013178.D
Acq: 20 Sep 2019 13:09

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
83	100		
55	79.3	60.4	90.6
98	46.3	40.0	60.0

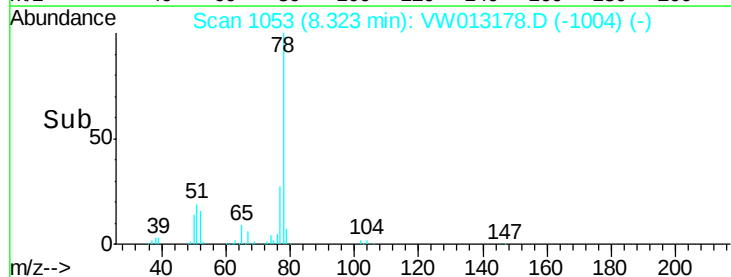
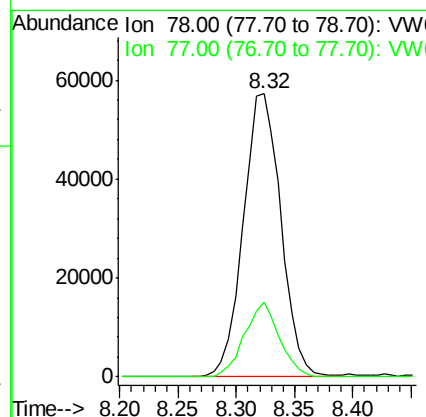
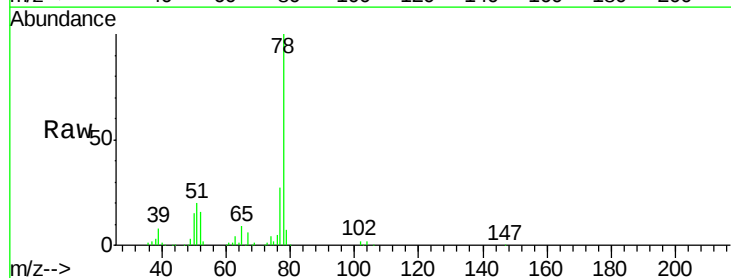
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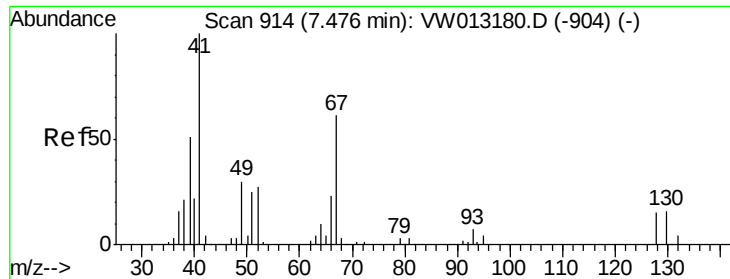
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#40
Benzene
Concen: 11.680 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW013178.D
Acq: 20 Sep 2019 13:09

Tgt Ion	Ratio	Lower	Upper
78	100		
77	26.6	19.1	28.7





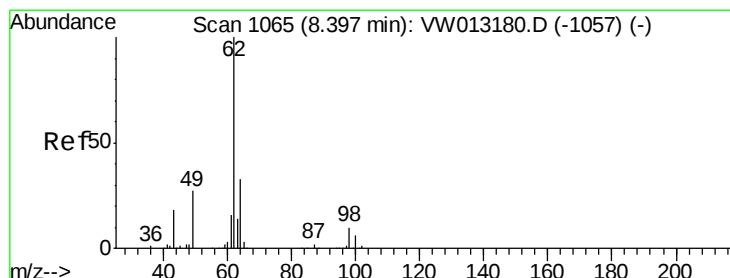
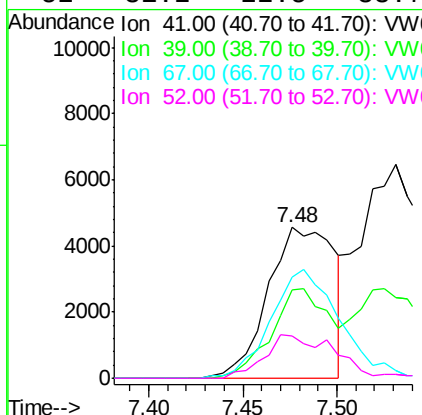
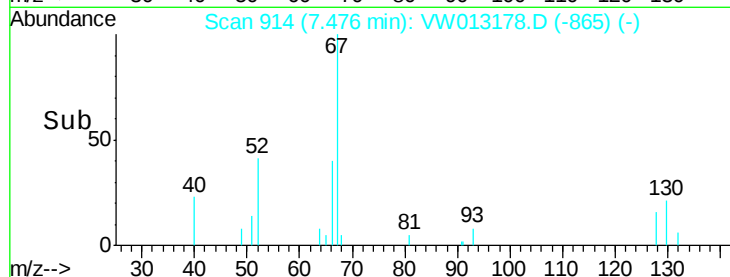
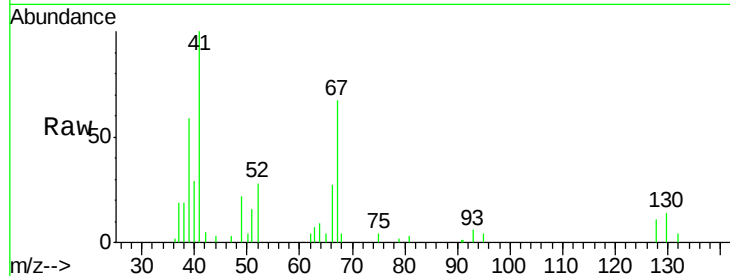
#41
Methacrylonitrile
Concen: 8.501 ug/l
RT: 7.48 min Scan# 914
Delta R.T. -0.00 min
Lab File: VW013178.D
Acq: 20 Sep 2019 13:09

Instrument :
MSVOA_W
ClientSampleID :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
41	100		
39	51.5	45.9	68.9
67	74.6	54.5	81.7
52	31.2	22.5	33.7

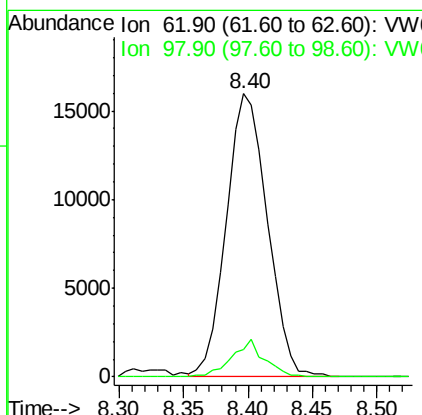
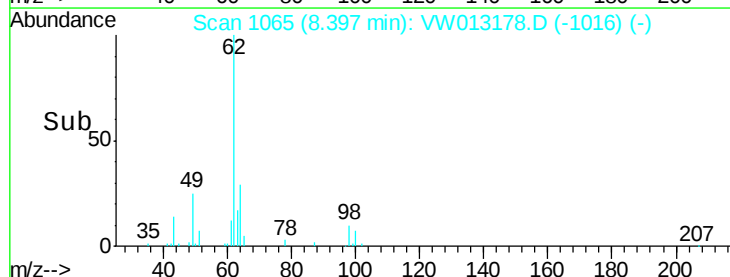
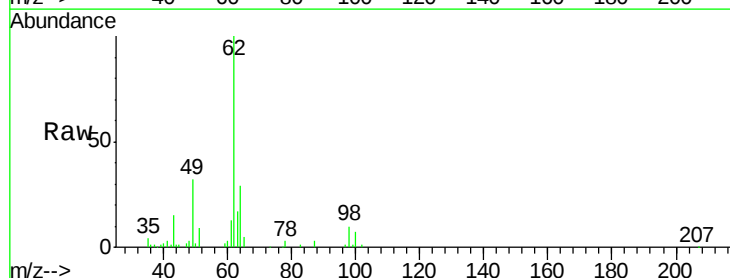
Manual Integrations
APPROVED

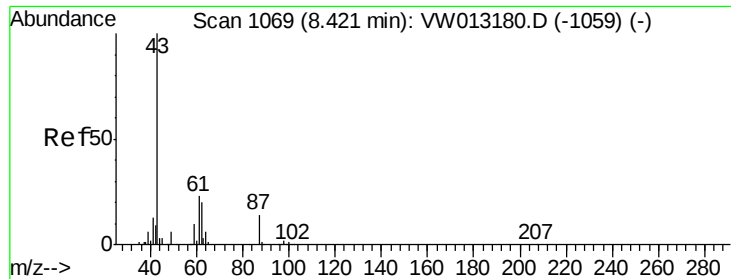
MMDadoda
9/24/2019 5:28:42 AM



#42
1,2-Dichloroethane
Concen: 9.968 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW013178.D
Acq: 20 Sep 2019 13:09

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.5	0.0	20.6





#43

Isopropyl Acetate

Concen: 10.367 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW013178.D

Acq: 20 Sep 2019 13:09

Instrument :

MSVOA_W

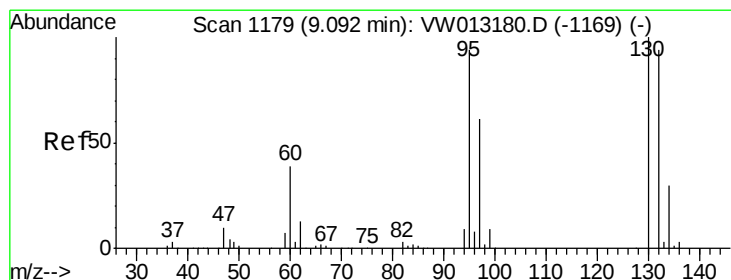
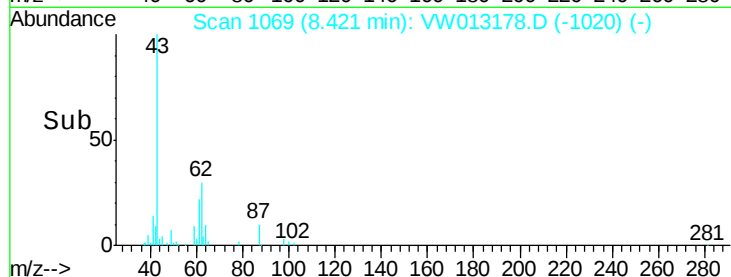
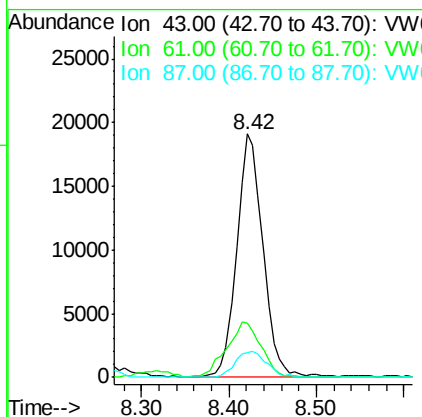
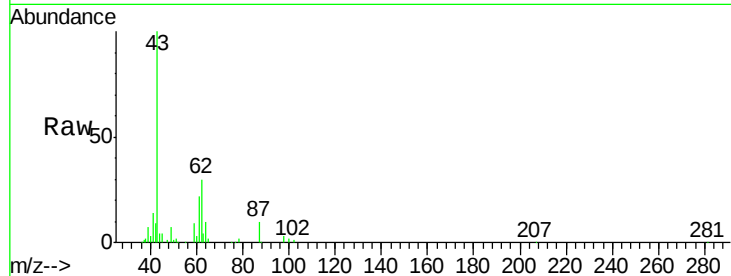
ClientSampleId :

VSTDIC010

Tot Ion:	43	Resp:	40008
Ion	Ratio	Lower	Upper
43	100		
61	29.7	25.5	38.3
87	12.6	11.0	16.4

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#44

Trichloroethene

Concen: 11.918 ug/l

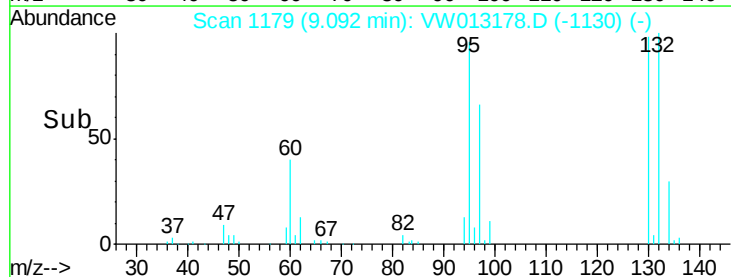
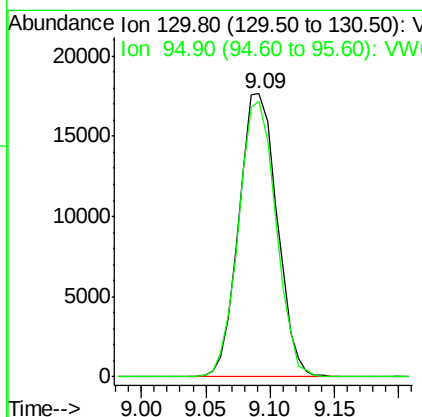
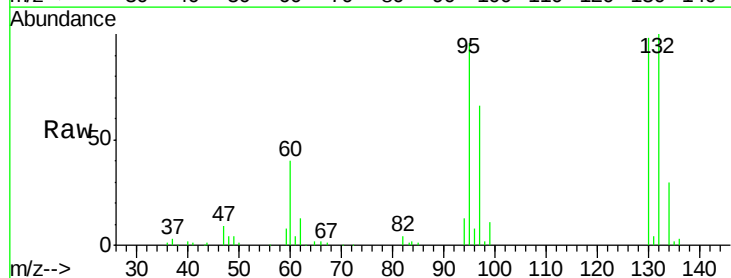
RT: 9.09 min Scan# 1179

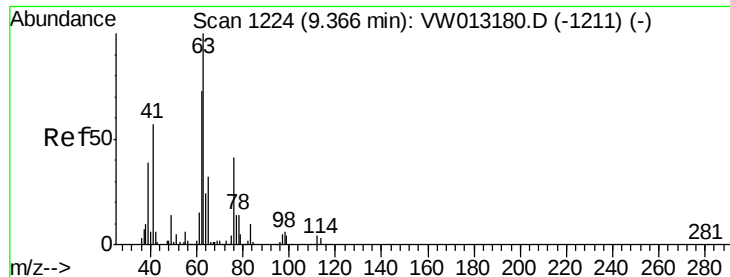
Delta R.T. -0.00 min

Lab File: VW013178.D

Acq: 20 Sep 2019 13:09

Tgt Ion:	130	Resp:	36361
Ion	Ratio	Lower	Upper
130	100		
95	97.5	0.0	188.0





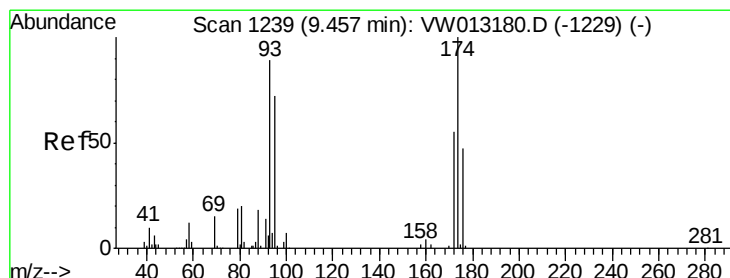
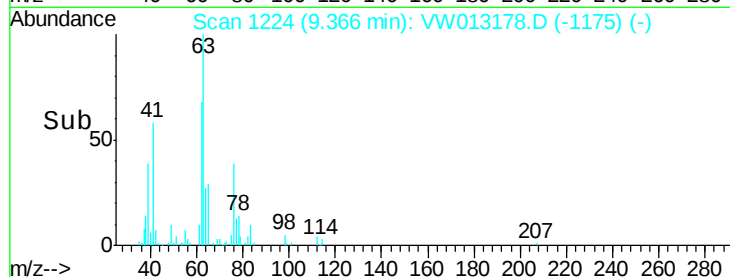
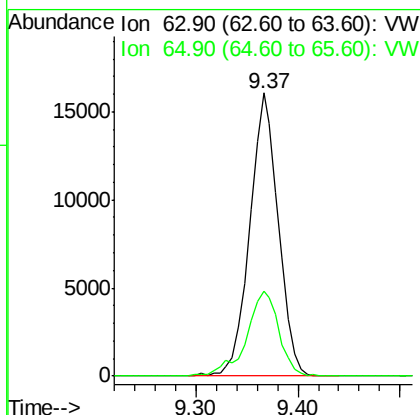
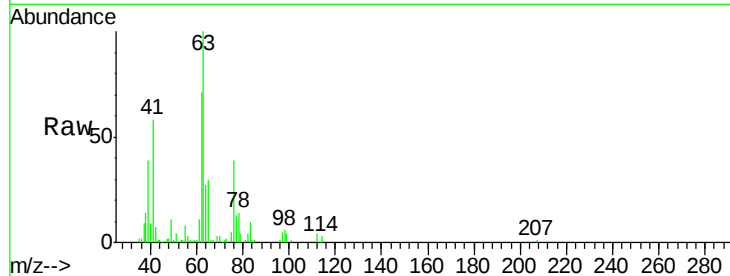
#45
 1,2-Dichloropropane
 Concen: 10.854 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW013178.D
 Acq: 20 Sep 2019 13:09

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
63	100		
65	29.9	25.3	37.9

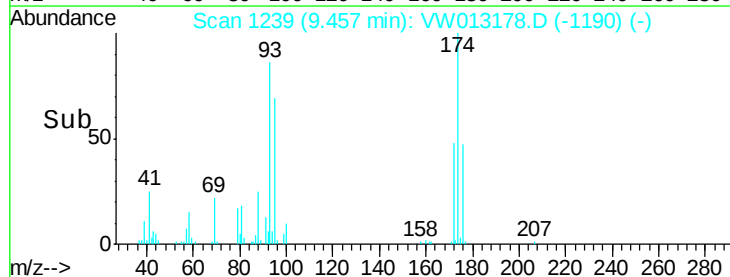
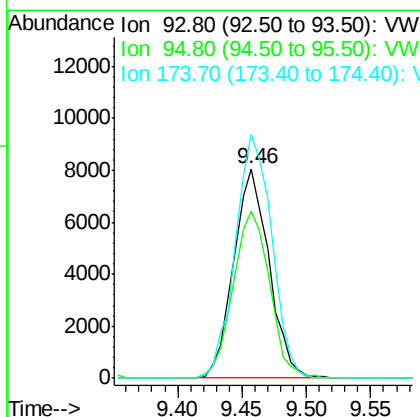
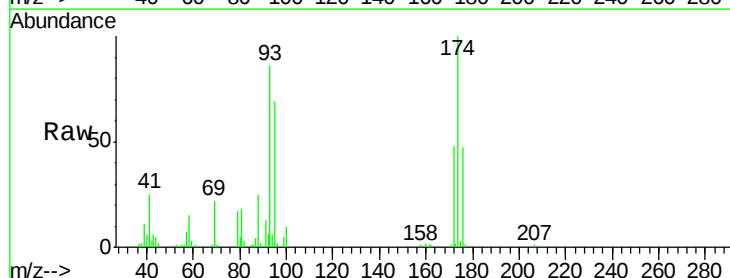
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#46
 Dibromomethane
 Concen: 11.094 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW013178.D
 Acq: 20 Sep 2019 13:09

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.3	66.4	99.6
174	119.5	93.0	139.6





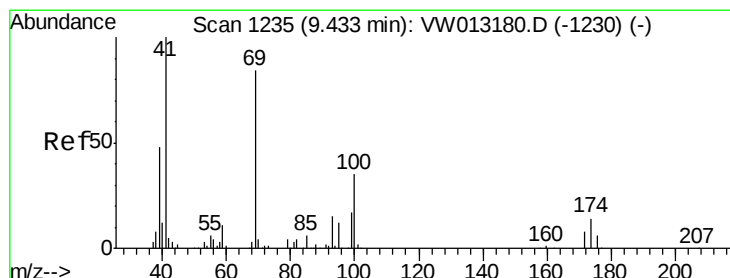
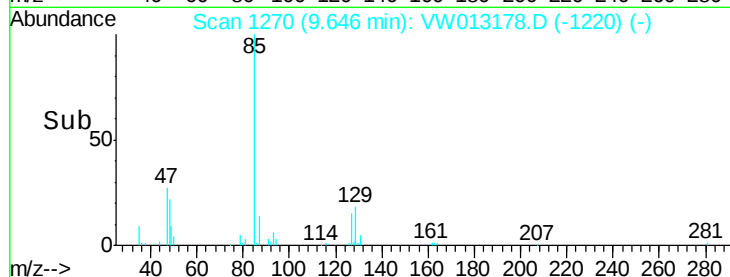
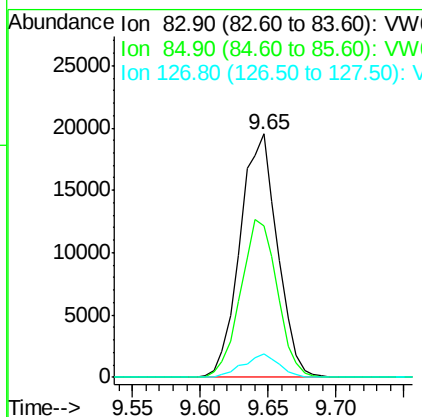
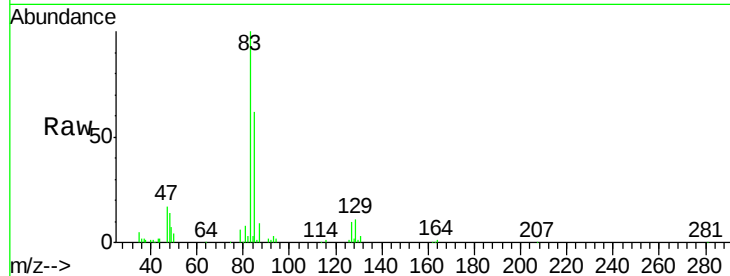
#47
Bromodichloromethane
Concen: 9.817 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. 0.01 min
Lab File: VW013178.D
Acq: 20 Sep 2019 13:09

Instrument :
MSVOA_W
ClientSampled :
VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
83	100	37513		
85	62.2		49.4	74.2
127	9.5		6.5	9.7

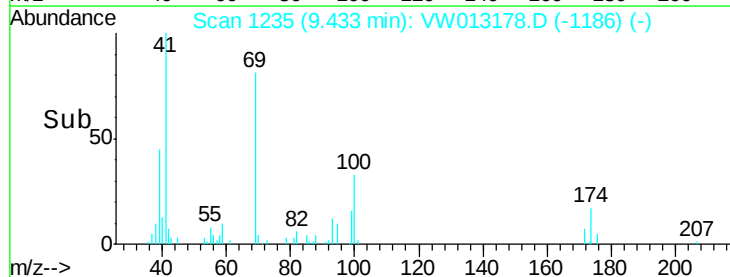
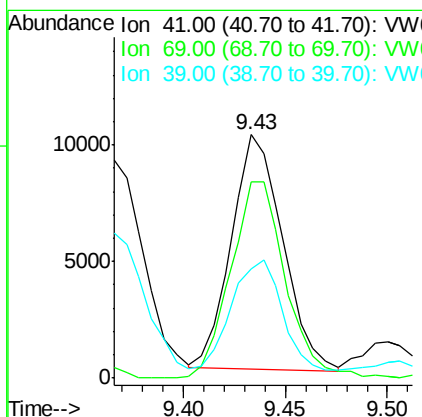
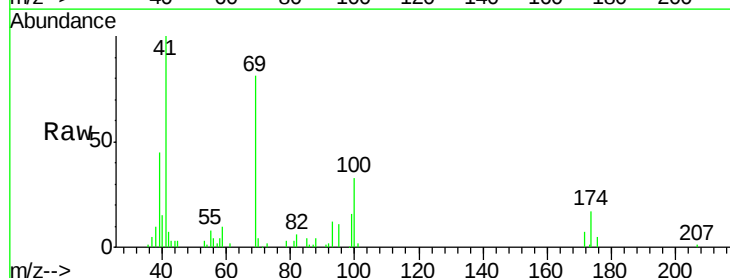
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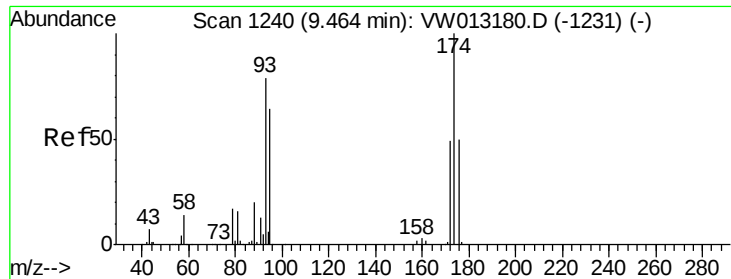
MMDadoda
9/24/2019 5:28:42 AM



#48
Methyl methacrylate
Concen: 9.665 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. -0.00 min
Lab File: VW013178.D
Acq: 20 Sep 2019 13:09

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	17544		
69	89.8		69.7	104.5
39	47.5		41.1	61.7





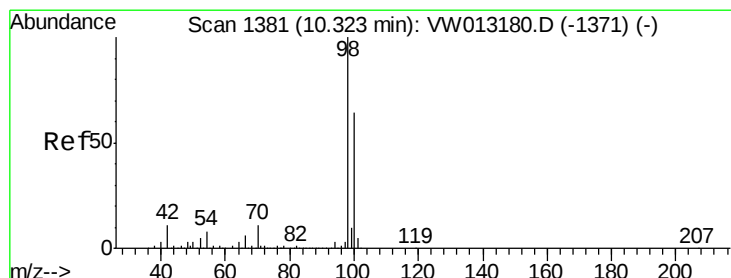
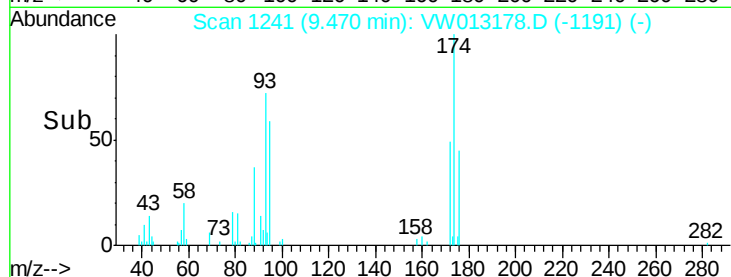
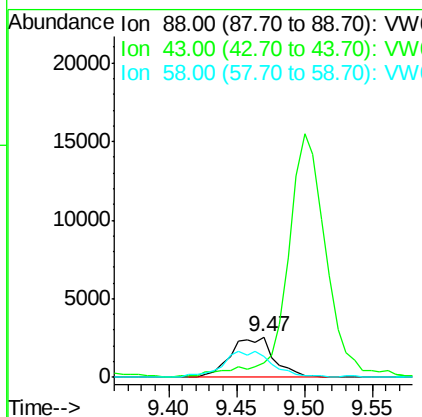
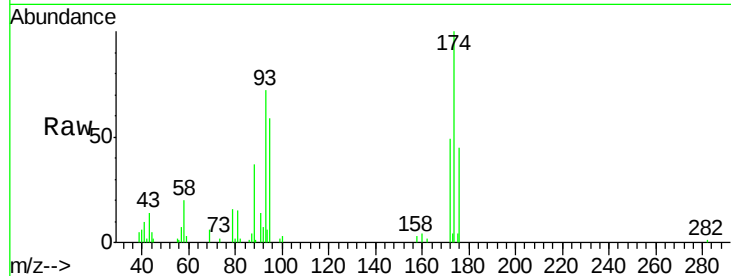
#49
1,4-Dioxane
Concen: 253.353 ug/l
RT: 9.47 min Scan# 1241
Delta R.T. 0.01 min
Lab File: VW013178.D
Acq: 20 Sep 2019 13:09

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	88	Resp	5625
Ion	Ratio	Lower	Upper
88	100		
43	0.0	0.0	0.0
58	74.7	65.4	98.0

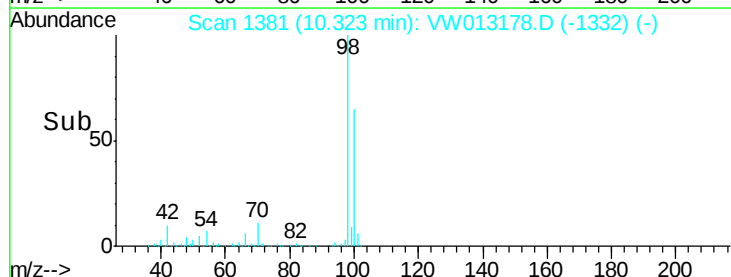
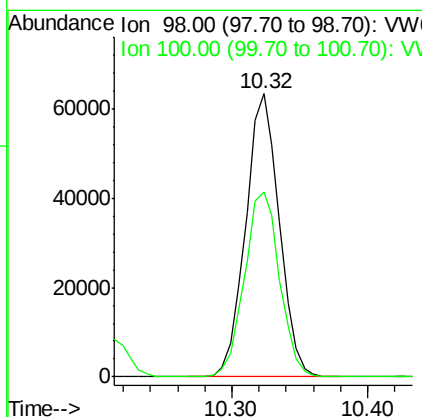
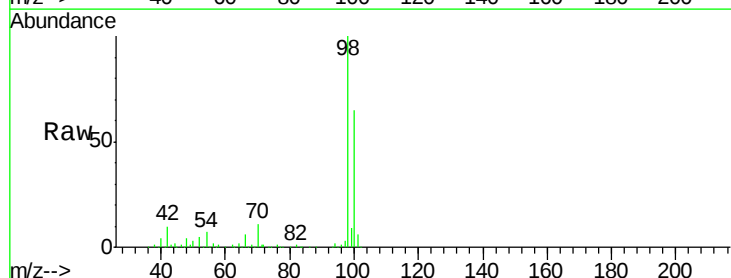
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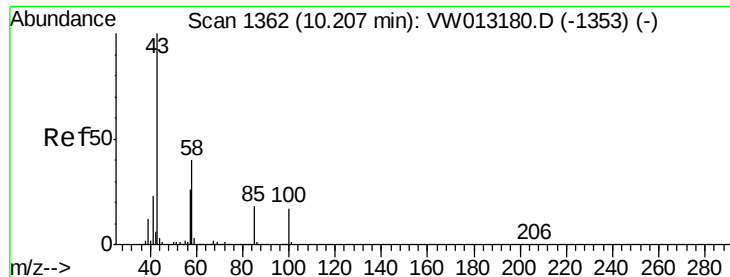
MMDadoda
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#50
Toluene-d8
Concen: 10.714 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW013178.D
Acq: 20 Sep 2019 13:09

Tgt Ion	98	Resp	109788
Ion	Ratio	Lower	Upper
98	100		
100	68.0	52.9	79.3





#51

4-Methyl-2-Pentanone

Concen: 49.840 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW013178.D

Acq: 20 Sep 2019 13:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion: 43 Resp: 98882

Ion Ratio Lower Upper

43 100

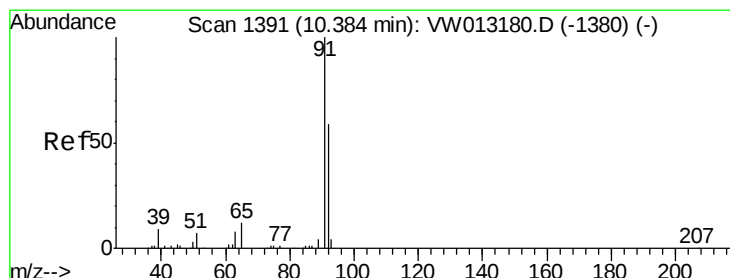
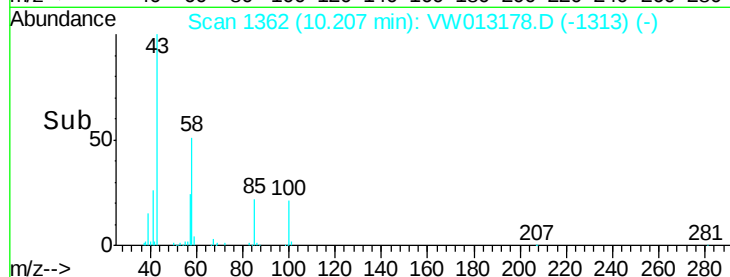
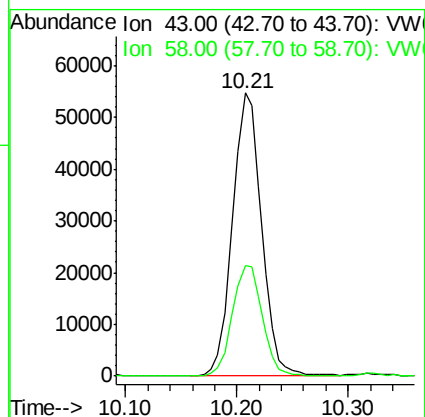
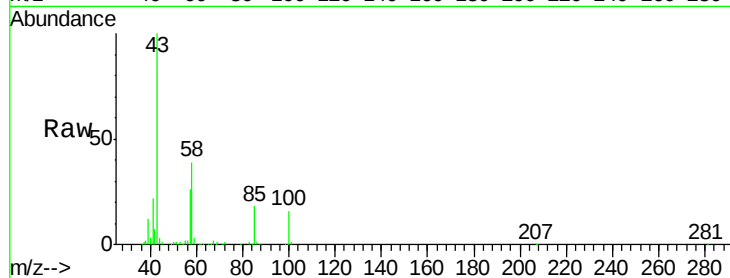
58 40.4 31.7 47.5

Manual Integrations

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#52

Toluene

Concen: 11.579 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW013178.D

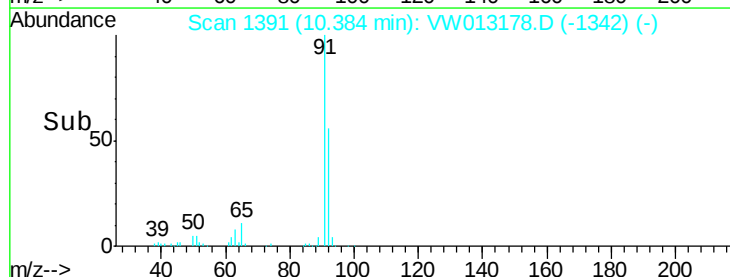
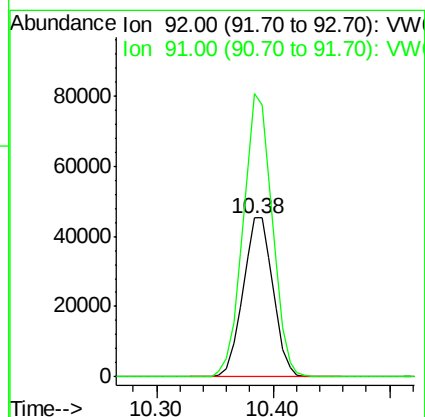
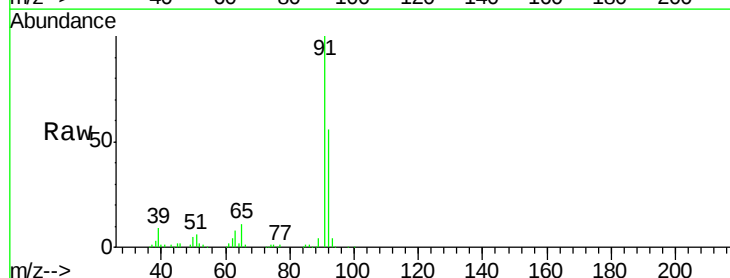
Acq: 20 Sep 2019 13:09

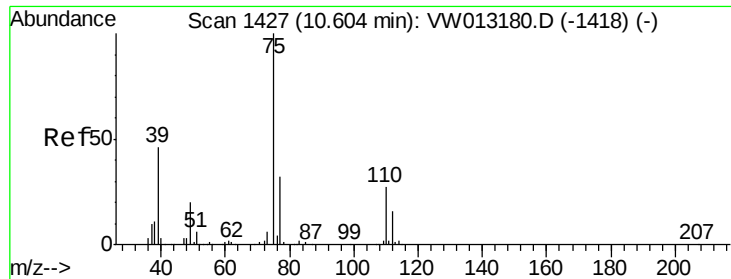
Tgt Ion: 92 Resp: 81487

Ion Ratio Lower Upper

92 100

91 173.0 135.7 203.5





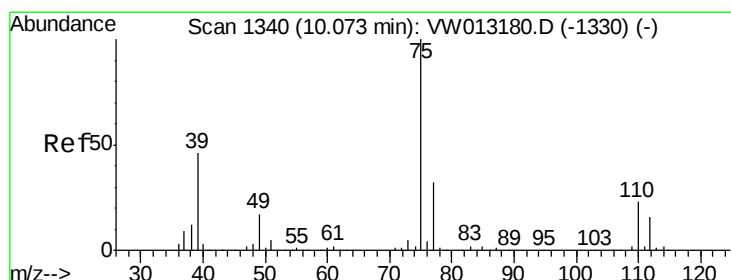
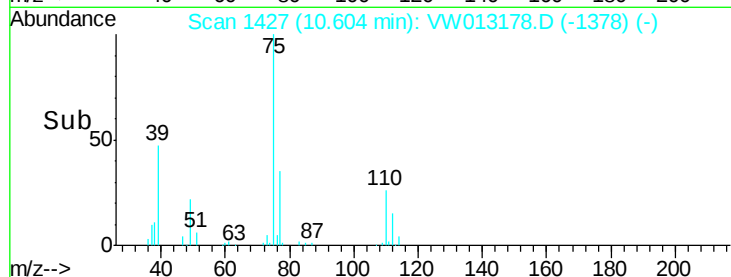
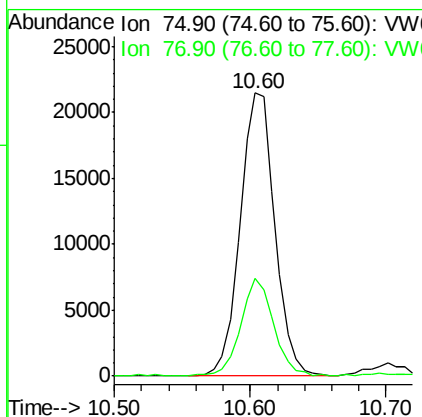
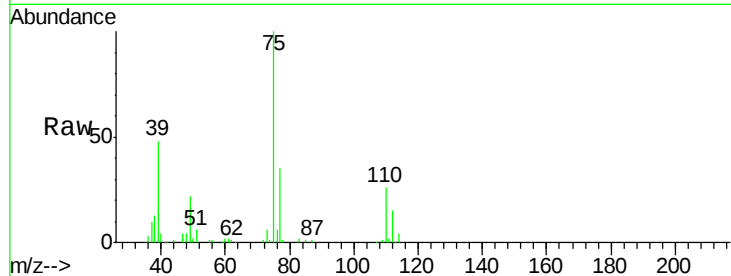
#53
t-1,3-Dichloropropene
Concen: 9.883 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. -0.00 min
Lab File: VW013178.D
Acq: 20 Sep 2019 13:09

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
75	100		
77	34.6	25.5	38.3

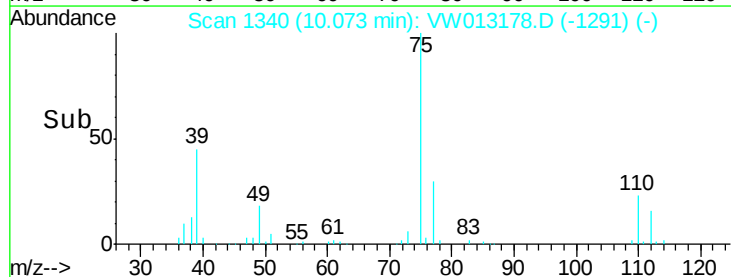
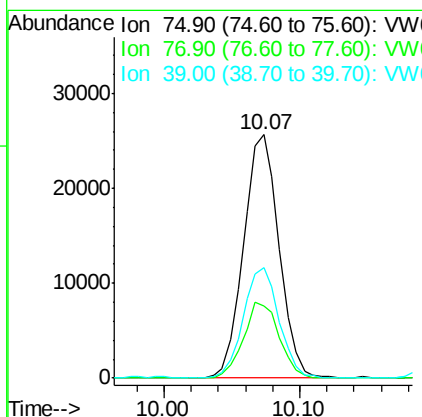
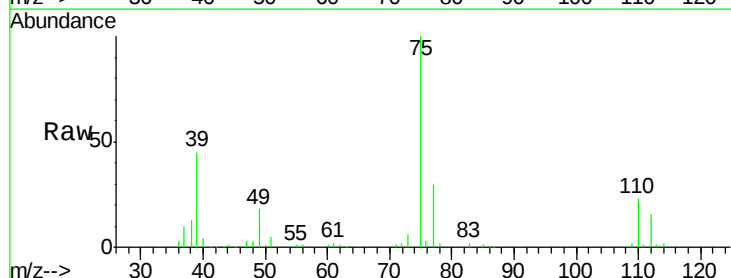
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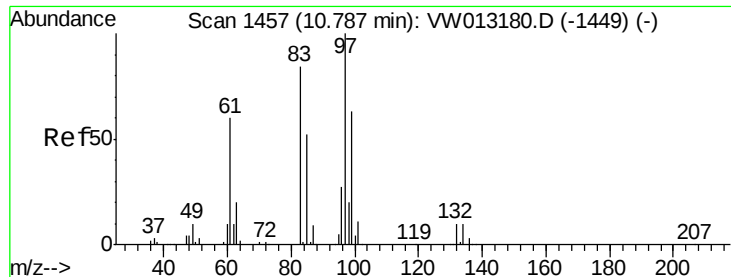
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#54
cis-1,3-Dichloropropene
Concen: 10.467 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VW013178.D
Acq: 20 Sep 2019 13:09

Tgt Ion	Ratio	Lower	Upper
75	100		
77	29.6	25.2	37.8
39	45.4	36.6	55.0





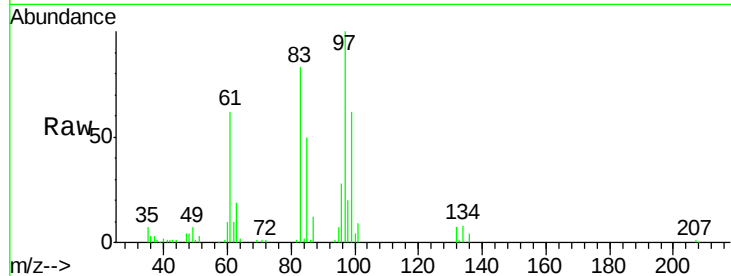
#55
 1,1,2-Trichloroethane
 Concen: 11.011 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW013178.D
 Acq: 20 Sep 2019 13:09

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

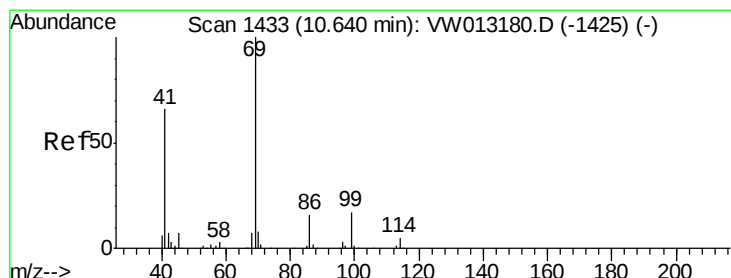
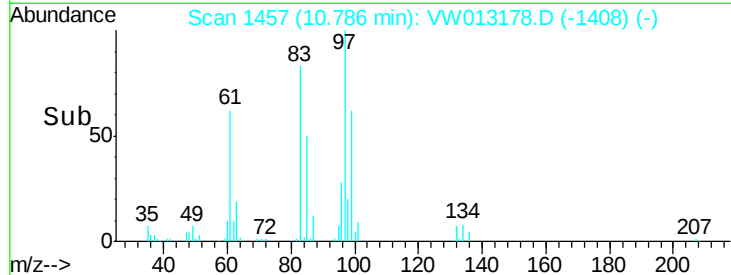
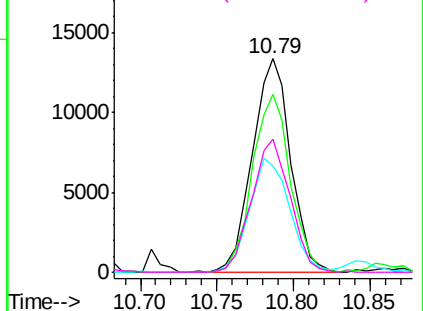
Tot Ion:	97	Resp:	23171
Ion	Ratio	Lower	Upper
97	100		
83	83.4	67.6	101.4
85	49.6	41.9	62.9
99	62.1	50.1	75.1

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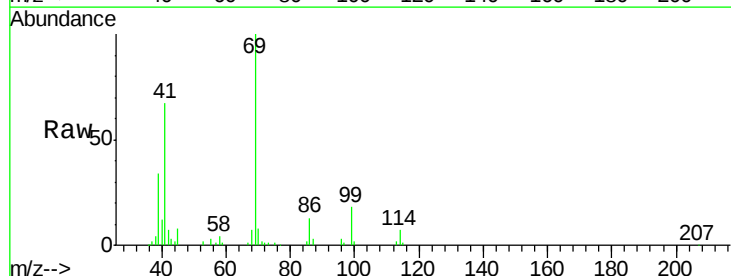


Abundance Ion 96.90 (96.60 to 97.60): VW
 Ion 82.90 (82.60 to 83.60): VW
 Ion 84.90 (84.60 to 85.60): VW
 Ion 98.90 (98.60 to 99.60): VW

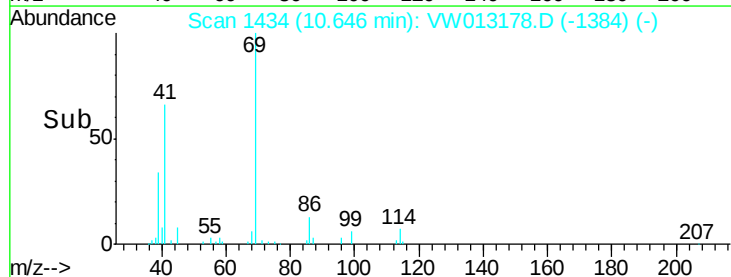
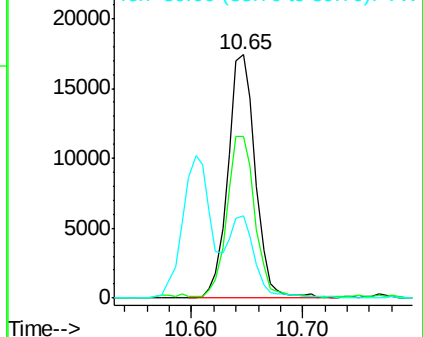


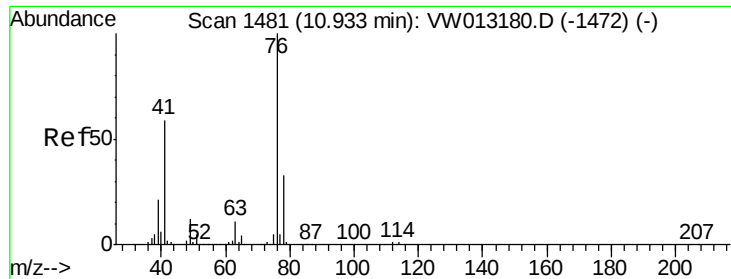
#56
 Ethyl methacrylate
 Concen: 10.534 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.01 min
 Lab File: VW013178.D
 Acq: 20 Sep 2019 13:09

Tgt Ion:	69	Resp:	29659
Ion	Ratio	Lower	Upper
69	100		
41	68.7	53.9	80.9
39	31.7	23.8	35.6



Abundance Ion 69.00 (68.70 to 69.70): VW
 Ion 41.00 (40.70 to 41.70): VW
 Ion 39.00 (38.70 to 39.70): VW





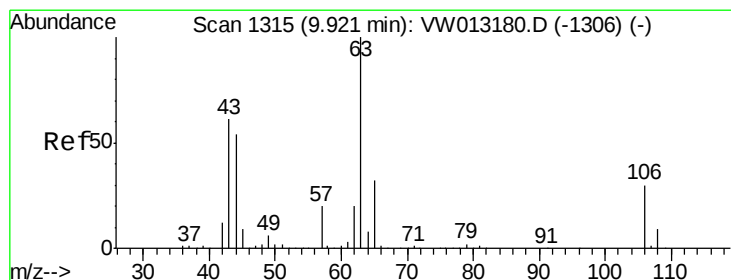
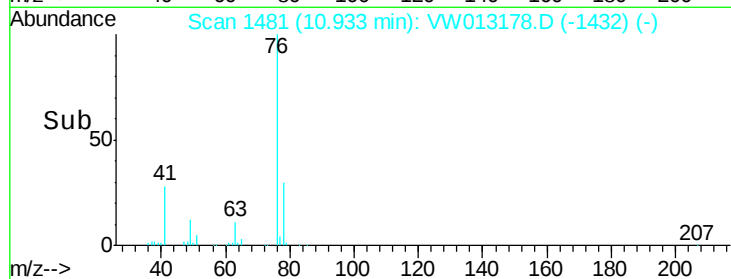
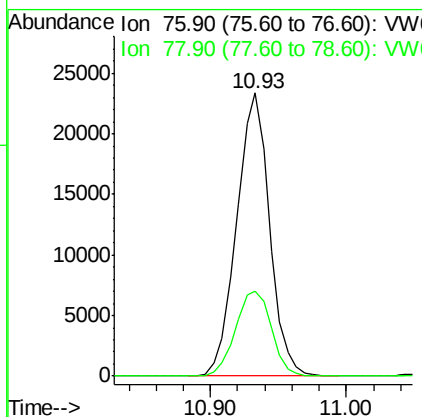
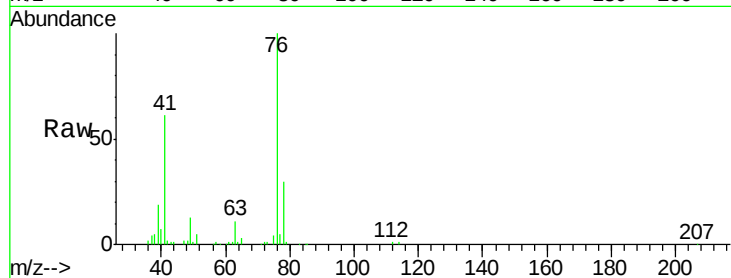
#57
 1,3-Dichloropropane
 Concen: 10.586 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW013178.D
 Acq: 20 Sep 2019 13:09

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.6	25.5	38.3

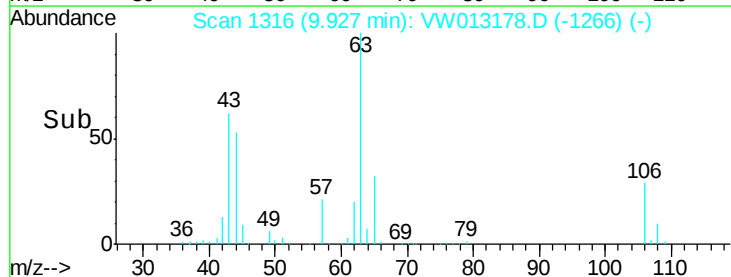
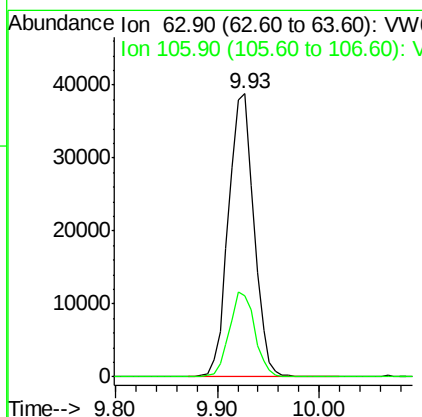
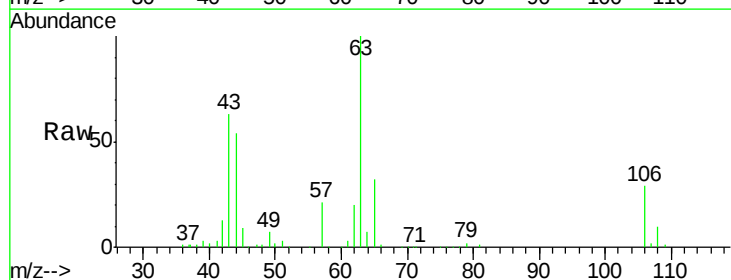
Manual Integrations
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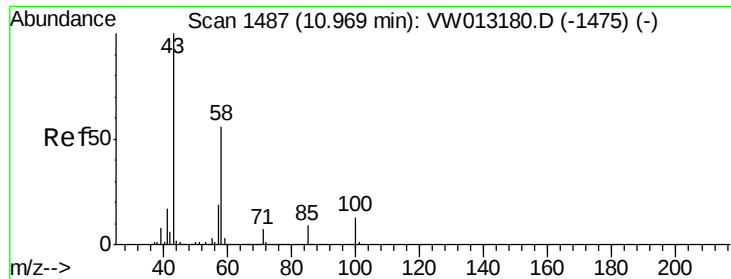
MMDadoda
 9/24/2019 5:28:42 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 44.898 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.01 min
 Lab File: VW013178.D
 Acq: 20 Sep 2019 13:09

Tgt Ion	Ratio	Lower	Upper
63	100		
106	30.0	23.4	35.0





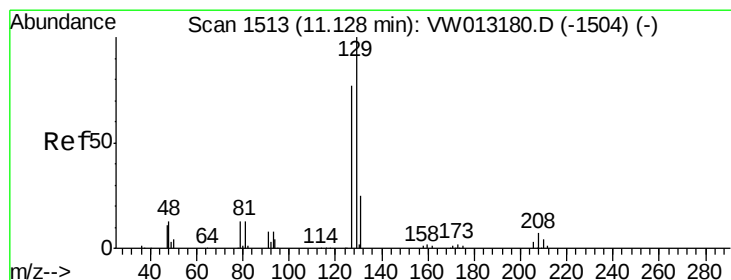
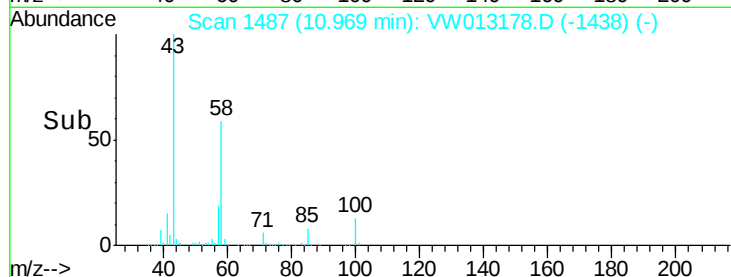
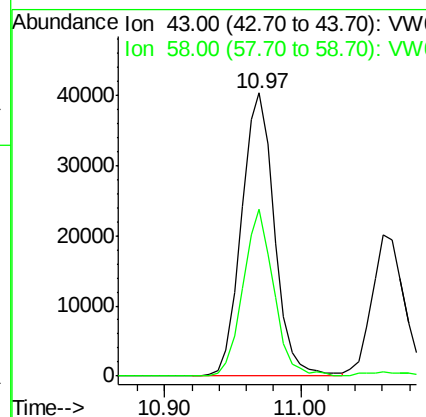
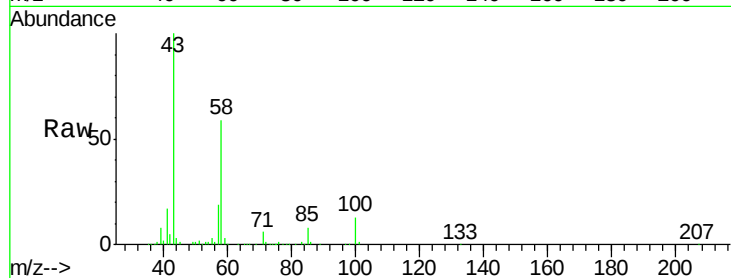
#59
2-Hexanone
Concen: 49.461 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW013178.D
Acq: 20 Sep 2019 13:09

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion: 43 Resp: 67971
Ion Ratio Lower Upper
43 100
58 54.9 28.1 84.2

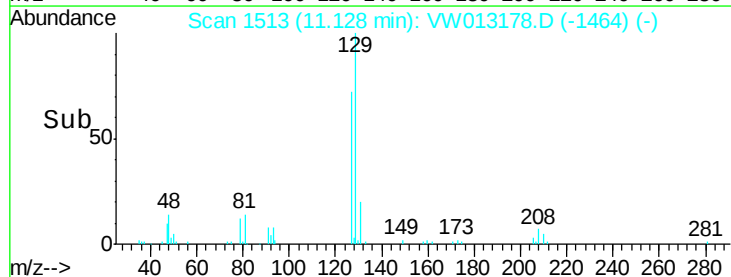
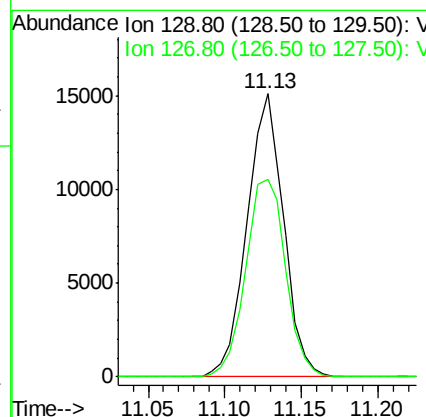
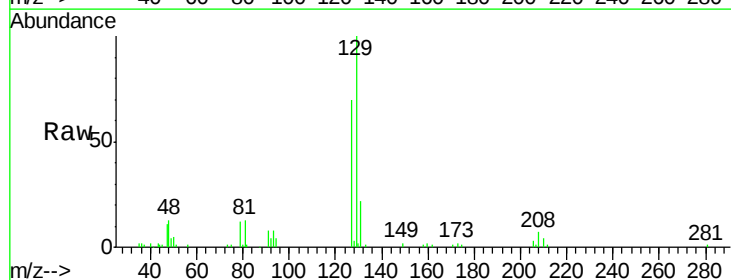
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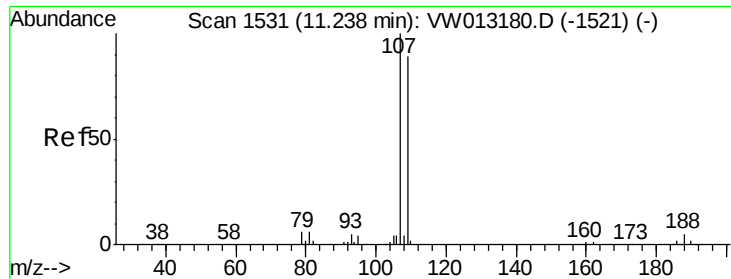
MMDadoda
9/24/2019 5:28:42 AM



#60
Dibromochloromethane
Concen: 9.949 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW013178.D
Acq: 20 Sep 2019 13:09

Tgt Ion: 129 Resp: 25005
Ion Ratio Lower Upper
129 100
127 76.4 38.8 116.4





#61

1,2-Dibromoethane

Concen: 11.405 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. -0.01 min

Lab File: VW013178.D

Acq: 20 Sep 2019 13:09

Instrument :

MSVOA_W

ClientSampled :

VSTDIC010

Tot Ion: 107 Resp: 21963

Ion Ratio Lower Upper

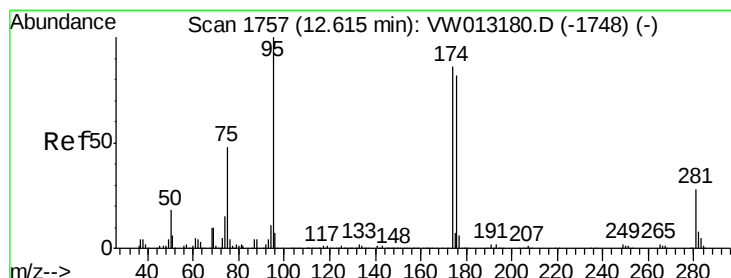
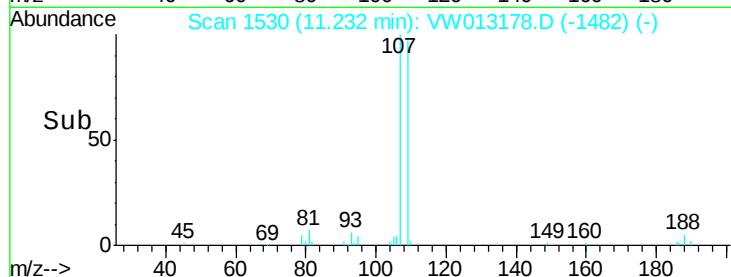
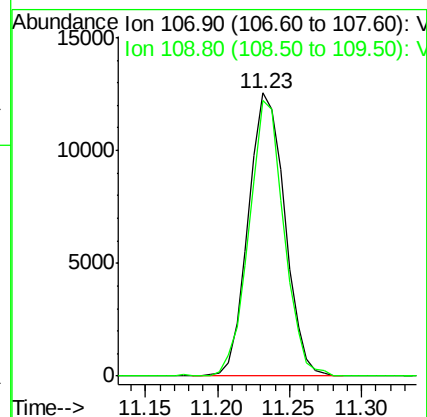
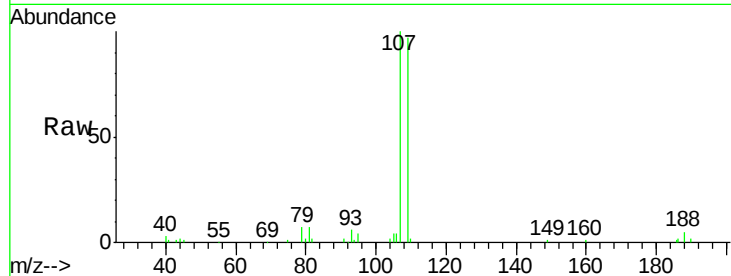
107 100

109 93.3 75.2 112.8

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9/24/2019 5:28:42 AM



#62

4-Bromofluorobenzene

Concen: 10.226 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW013178.D

Acq: 20 Sep 2019 13:09

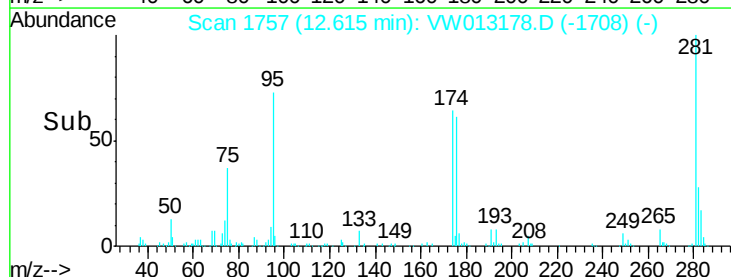
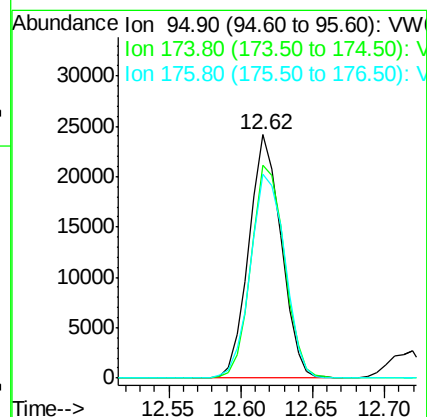
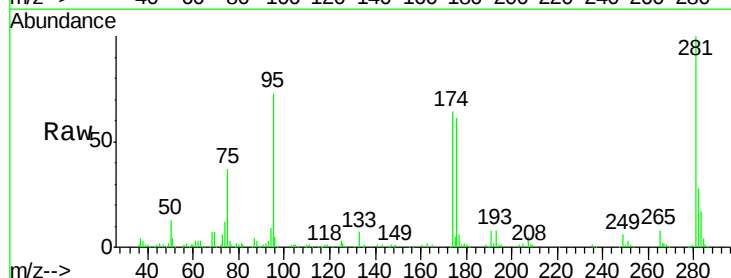
Tgt Ion: 95 Resp: 37524

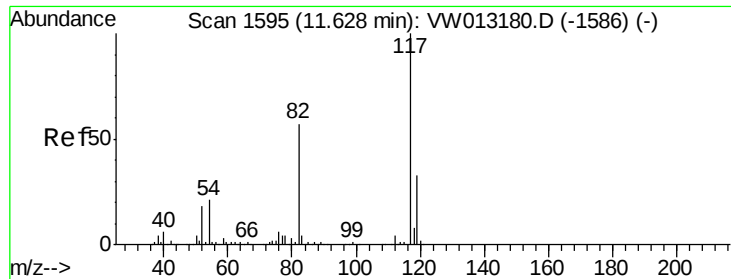
Ion Ratio Lower Upper

95 100

174 89.9 0.0 178.4

176 89.3 0.0 172.2





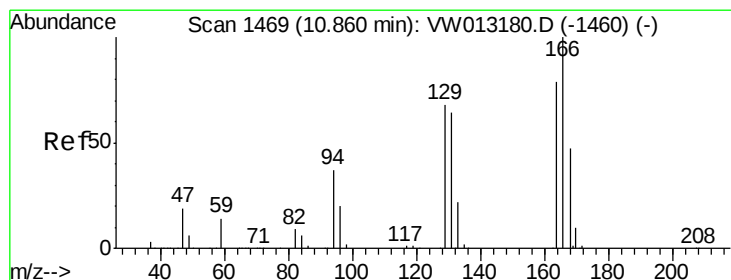
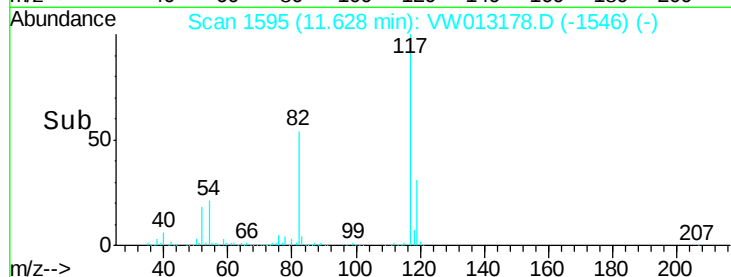
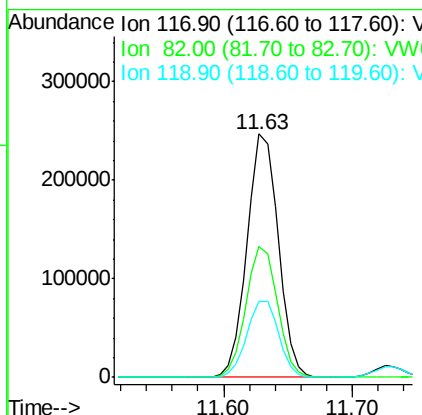
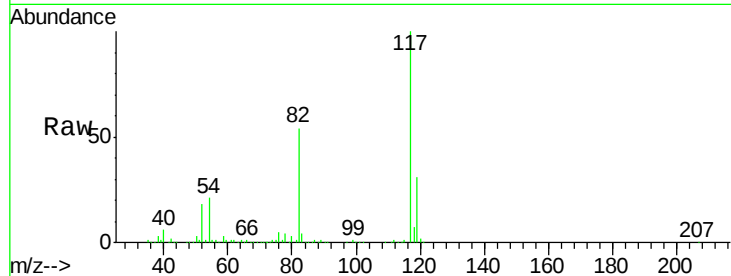
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW013178.D
Acq: 20 Sep 2019 13:09

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
117	100	412646		
82	54.1	45.9	68.9	
119	31.2	26.2	39.2	

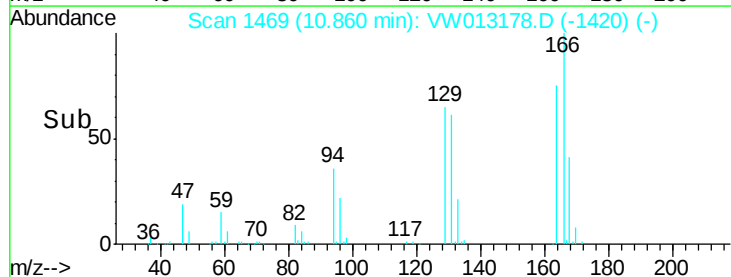
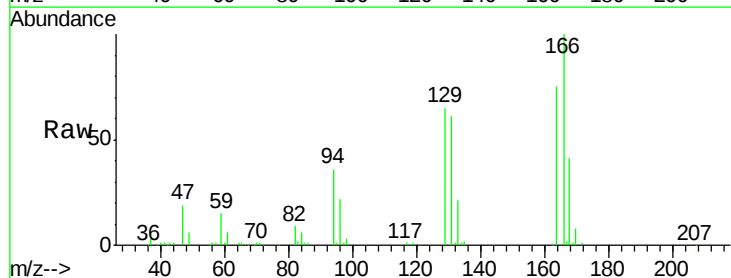
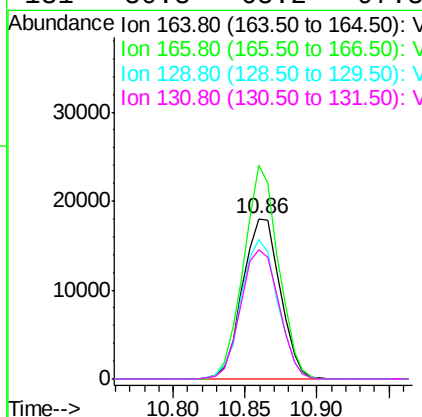
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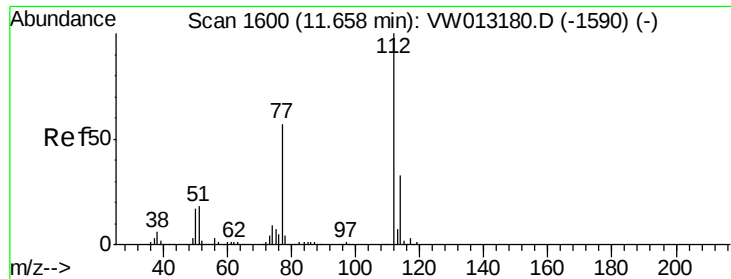
MMDadoda
9/24/2019 5:28:42 AM



#64
Tetrachloroethene
Concen: 12.752 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW013178.D
Acq: 20 Sep 2019 13:09

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	32700		
166	133.3	101.2	151.8	
129	87.1	68.8	103.2	
131	80.8	65.2	97.8	





#65

Chlorobenzene

Concen: 11.391 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW013178.D

Acq: 20 Sep 2019 13:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion:112 Resp: 85873

Ion Ratio Lower Upper

112 100

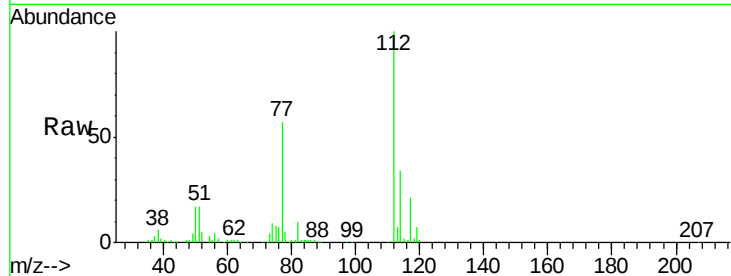
114 33.5 26.5 39.7

Manual Integrations

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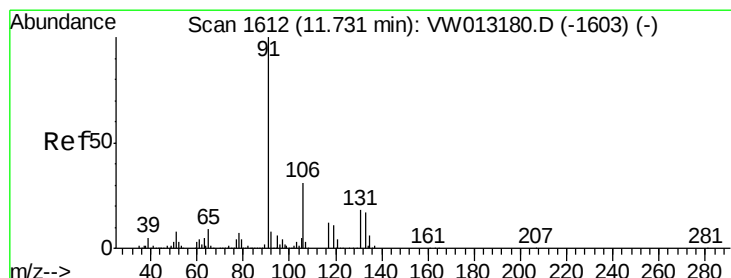
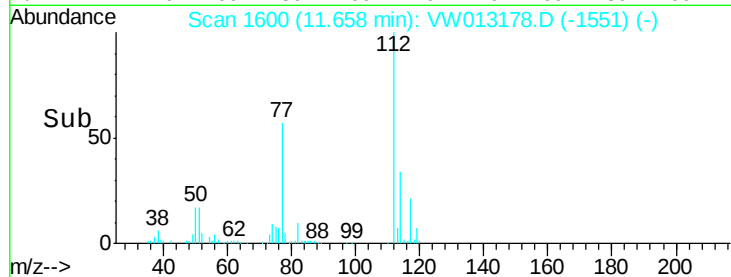
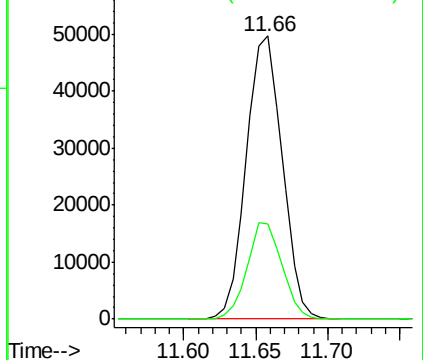
MMDadoda

9/24/2019 5:28:42 AM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 10.071 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW013178.D

Acq: 20 Sep 2019 13:09

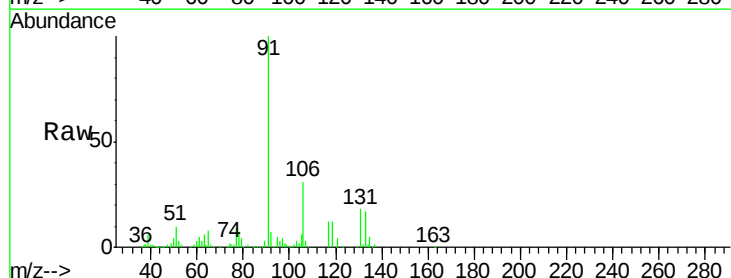
Tgt Ion:131 Resp: 28507

Ion Ratio Lower Upper

131 100

133 94.2 47.5 142.6

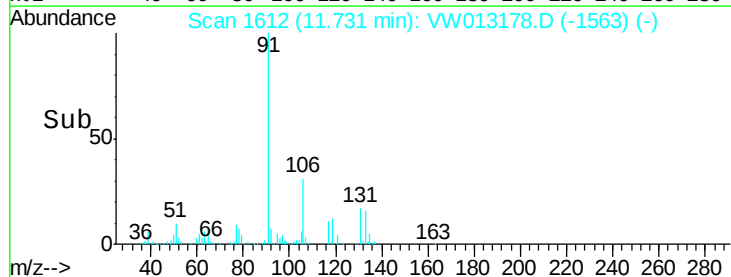
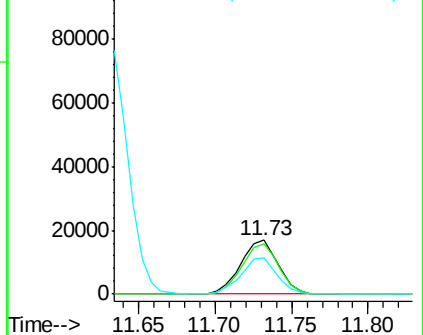
119 64.8 32.5 97.5

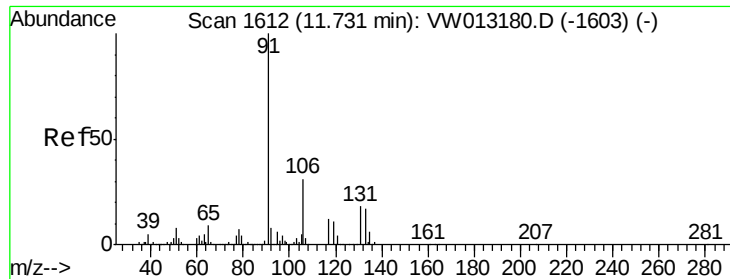


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





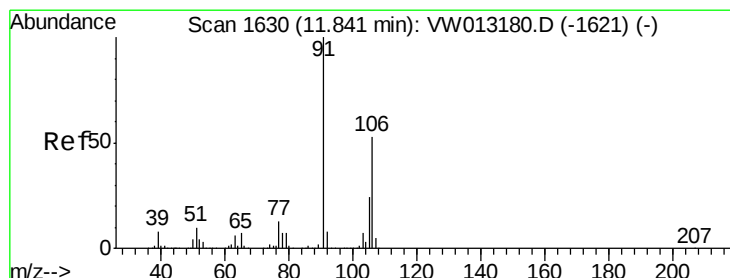
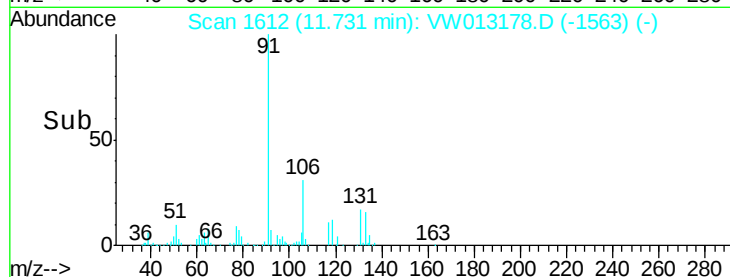
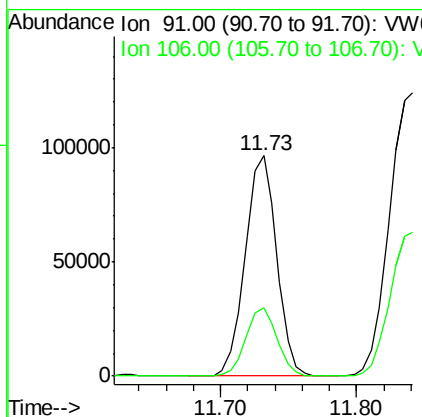
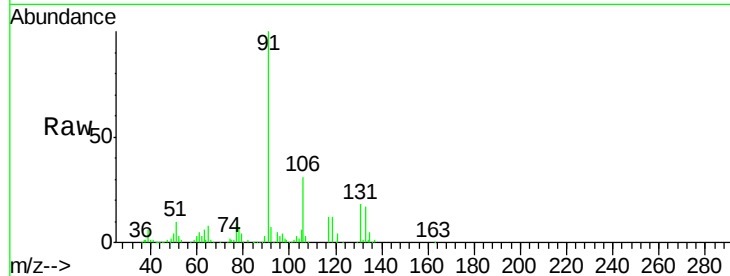
#67
Ethyl Benzene
Concen: 11.280 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW013178.D
Acq: 20 Sep 2019 13:09

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion: 91 Resp: 156458
Ion Ratio Lower Upper
91 100
106 31.2 24.9 37.3

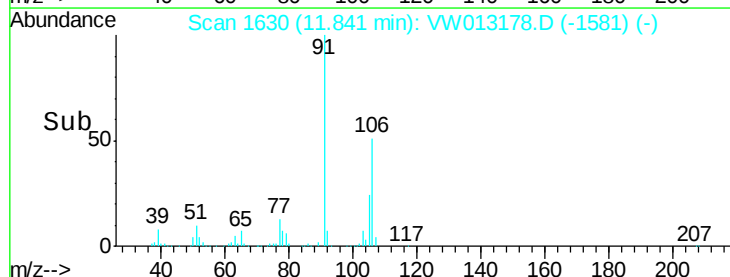
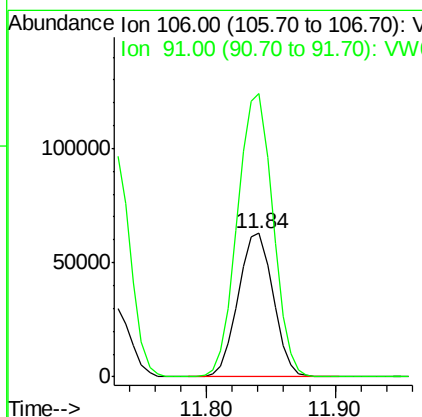
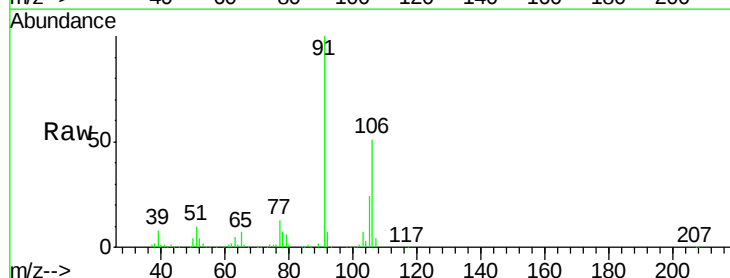
Manual Integrations
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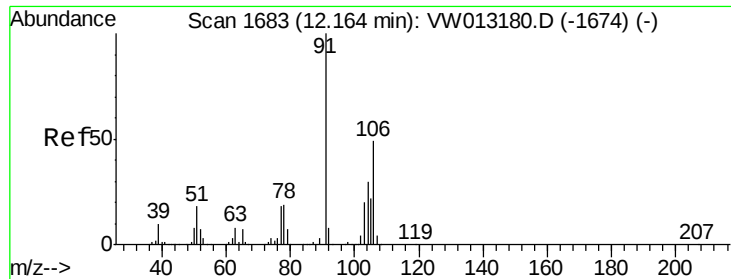
MMDadoda
9/24/2019 5:28:42 AM



#68
m/p-Xylenes
Concen: 23.179 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW013178.D
Acq: 20 Sep 2019 13:09

Tgt Ion: 106 Resp: 118473
Ion Ratio Lower Upper
106 100
91 200.3 157.9 236.9





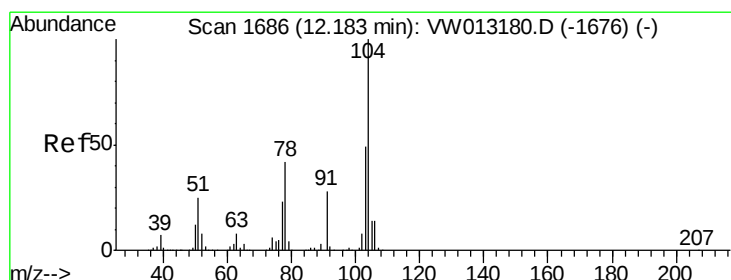
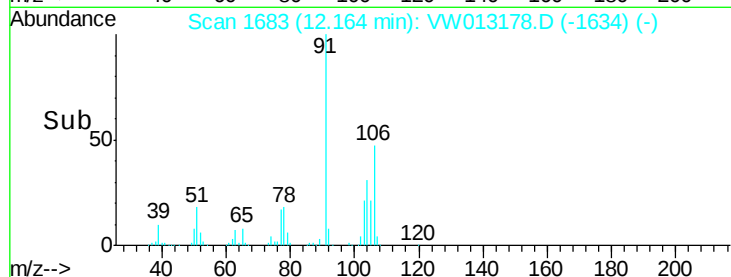
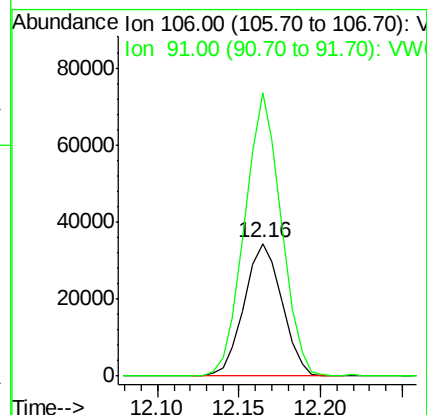
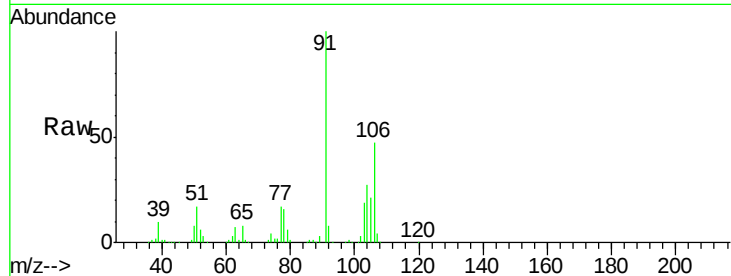
#69
o-Xylene
Concen: 11.653 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW013178.D
Acq: 20 Sep 2019 13:09

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
106	100		
91	206.1	106.5	319.5

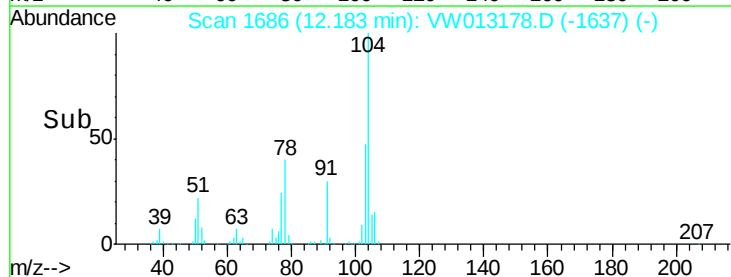
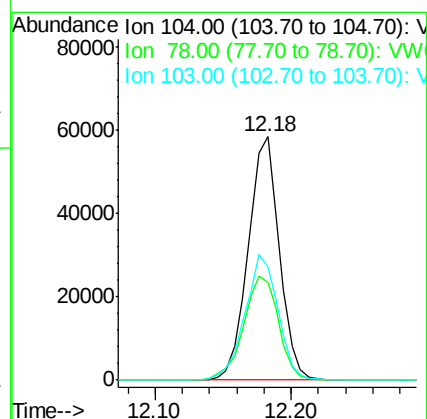
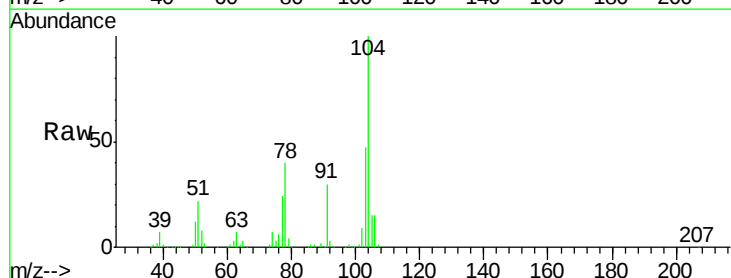
Manual Integrations
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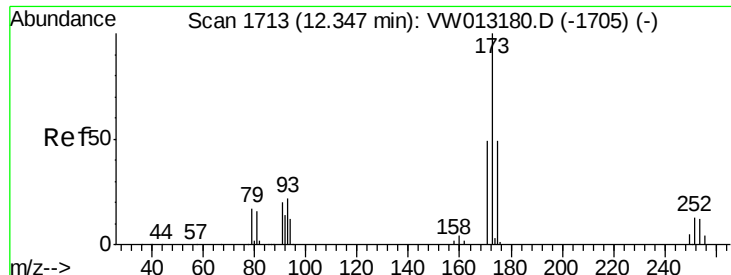
MMDadoda
9/24/2019 5:28:42 AM



#70
Styrene
Concen: 11.067 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW013178.D
Acq: 20 Sep 2019 13:09

Tgt Ion	Ratio	Lower	Upper
104	100		
78	47.8	38.4	57.6
103	55.0	43.3	64.9





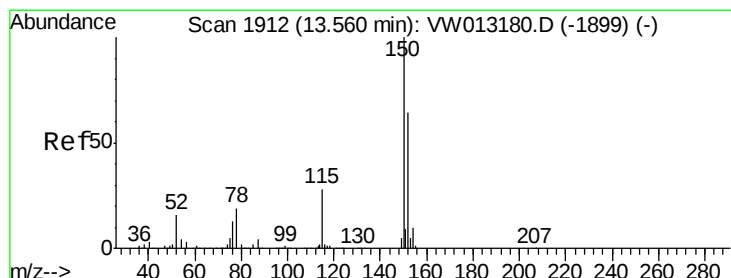
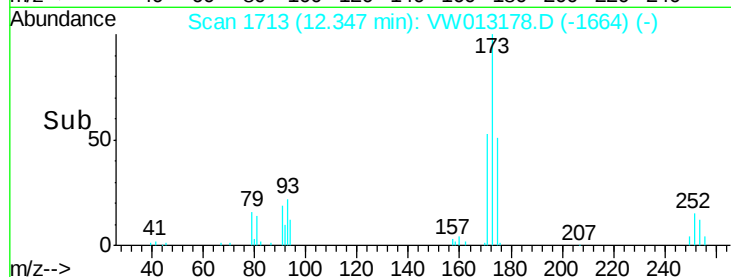
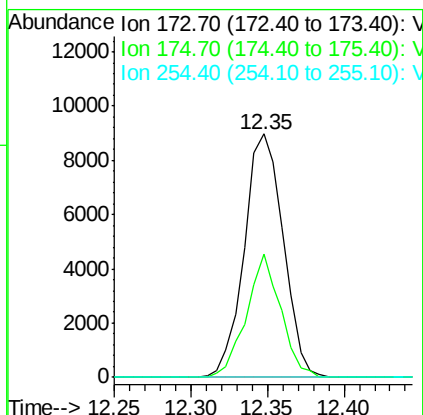
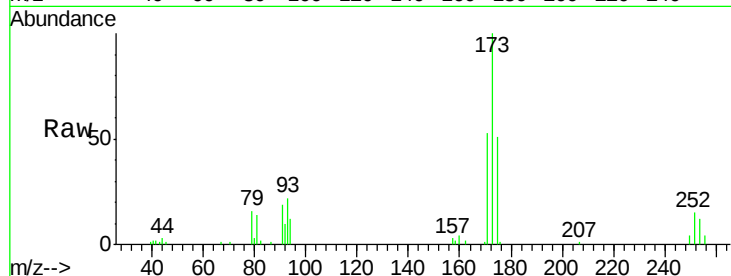
#71
Bromoform
Concen: 10.729 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. -0.00 min
Lab File: VW013178.D
Acq: 20 Sep 2019 13:09

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
173	100		
175	44.8	24.3	73.0
254	0.0	0.1	0.1#

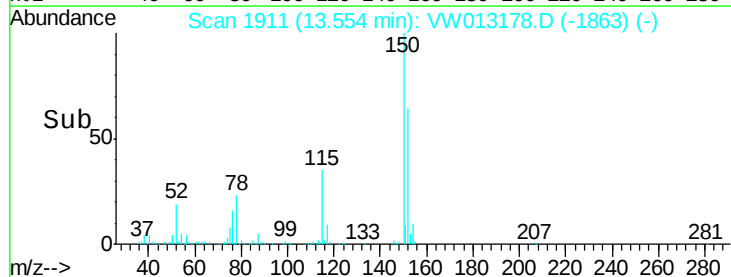
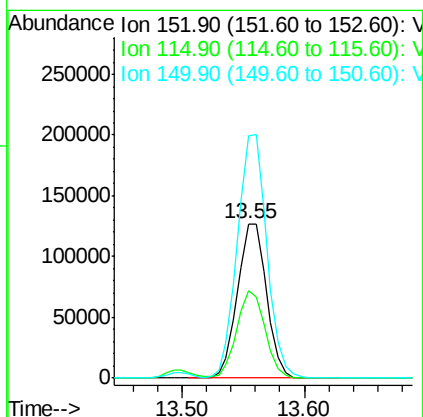
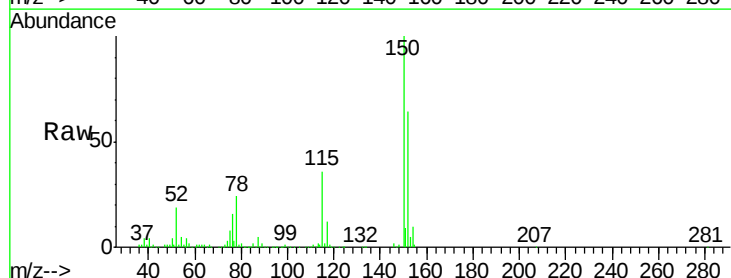
Manual Integrations
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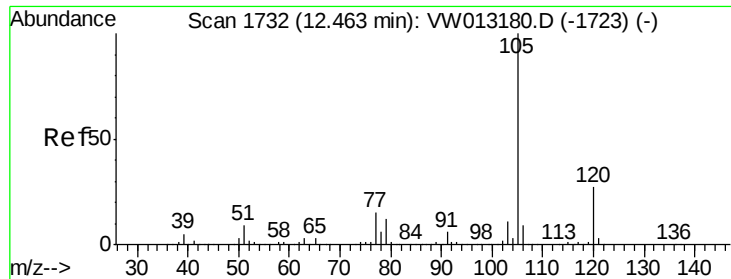
MMDadoda
9/24/2019 5:28:42 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. -0.01 min
Lab File: VW013178.D
Acq: 20 Sep 2019 13:09

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.9	27.3	81.9
150	160.2	0.0	349.0





#73

Isopropylbenzene

Concen: 11.056 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW013178.D

Acq: 20 Sep 2019 13:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion: 105 Resp: 155238

Ion Ratio Lower Upper

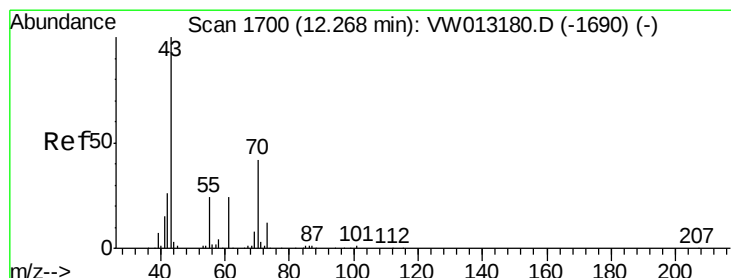
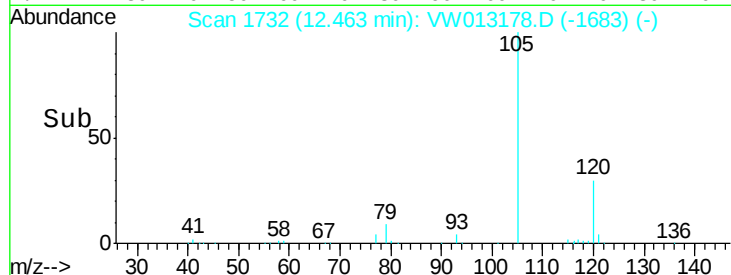
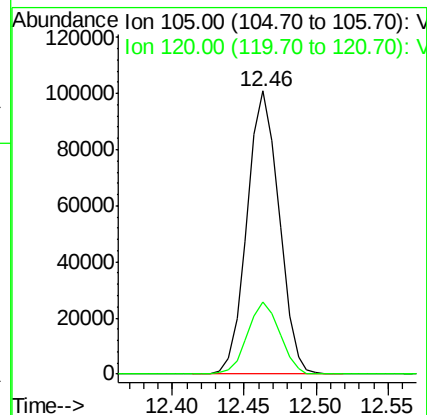
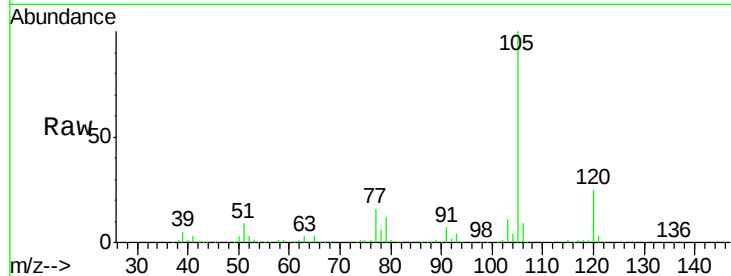
105 100

120 25.7 13.4 40.1

Manual Integrations
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#74

N-ethyl acetate

Concen: 9.664 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.01 min

Lab File: VW013178.D

Acq: 20 Sep 2019 13:09

Tgt Ion: 43 Resp: 34016

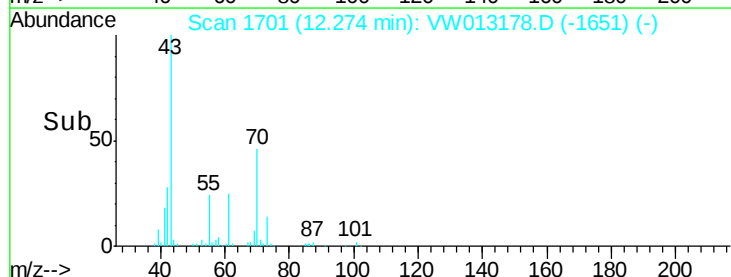
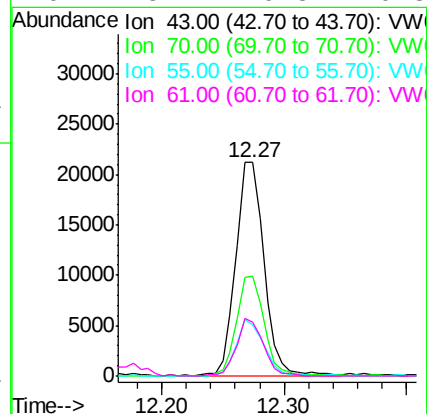
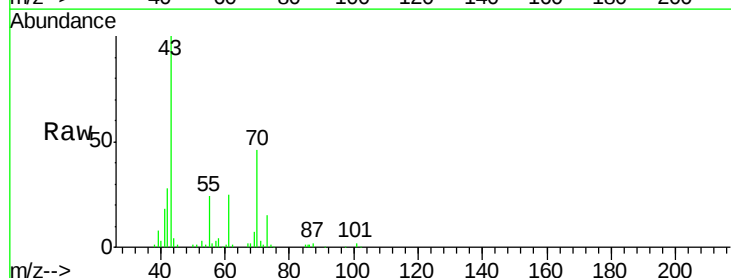
Ion Ratio Lower Upper

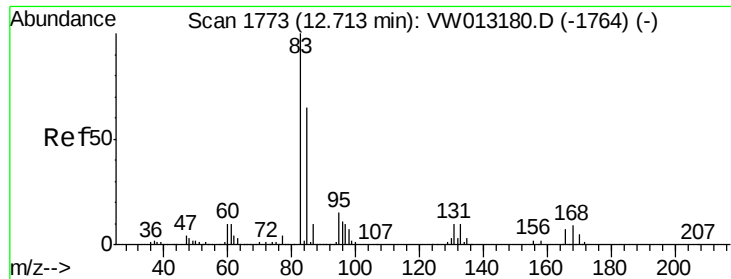
43 100

70 45.4 35.1 52.7

55 25.8 19.9 29.9

61 25.1 19.5 29.3





#75

1,1,2,2-Tetrachloroethane

Concen: 11.186 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW013178.D

Acq: 20 Sep 2019 13:09

Instrument :

MSVOA_W

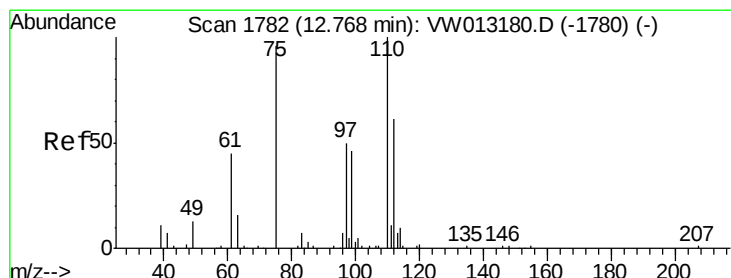
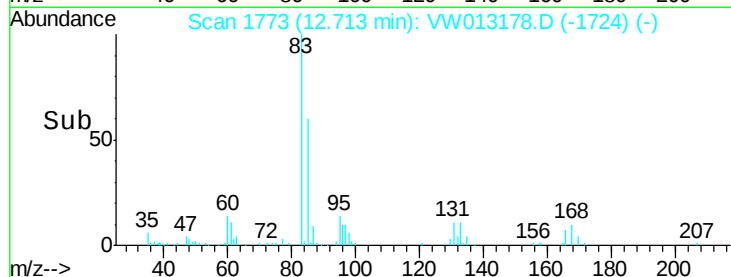
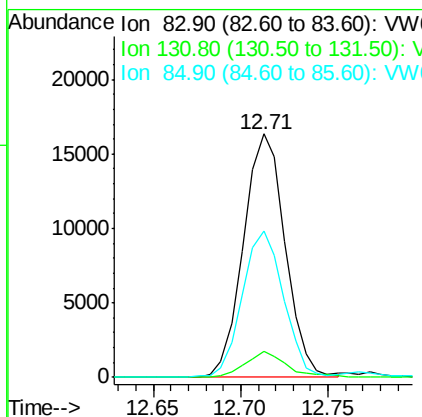
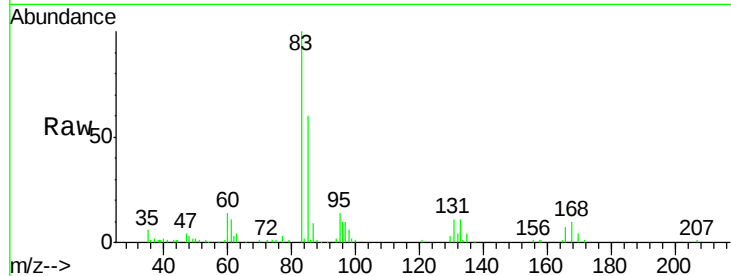
ClientSampleId :

VSTDIC010

Tot Ion:	83	Resp:	27148
Ion Ratio	Lower	Upper	
83	100		
131	10.5	5.4	16.2
85	59.3	31.9	95.9

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#76

1,2,3-Trichloropropane

Concen: 11.775 ug/l m

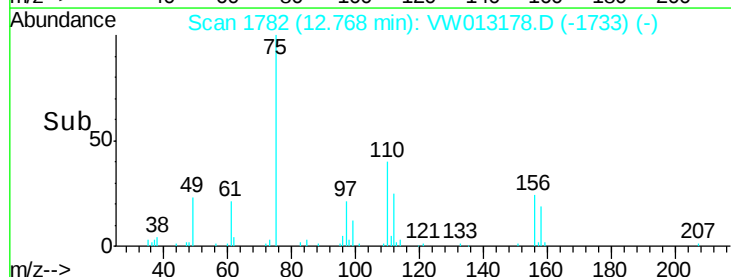
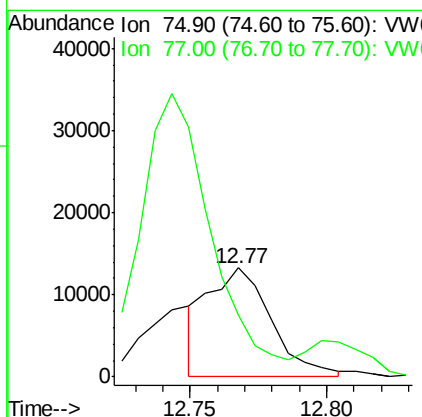
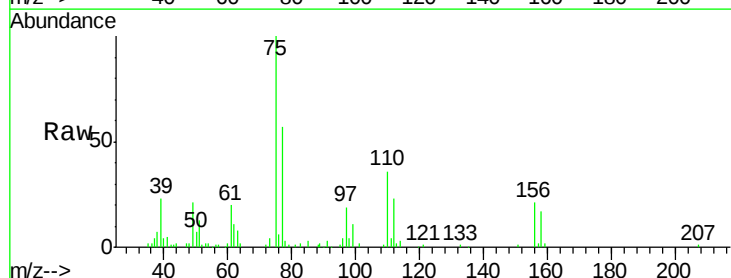
RT: 12.77 min Scan# 1782

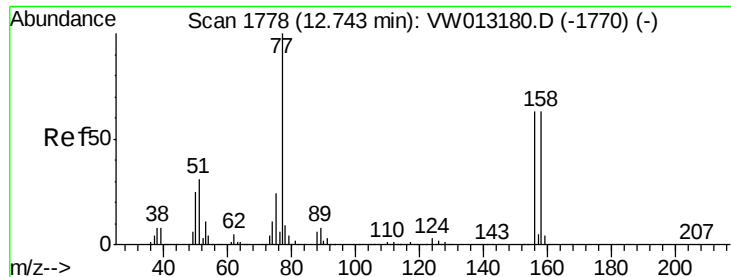
Delta R.T. -0.00 min

Lab File: VW013178.D

Acq: 20 Sep 2019 13:09

Tgt Ion:	75	Resp:	21418
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 11.239 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VW013178.D

Acq: 20 Sep 2019 13:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion:156 Resp: 36763

Ion Ratio Lower Upper

156 100

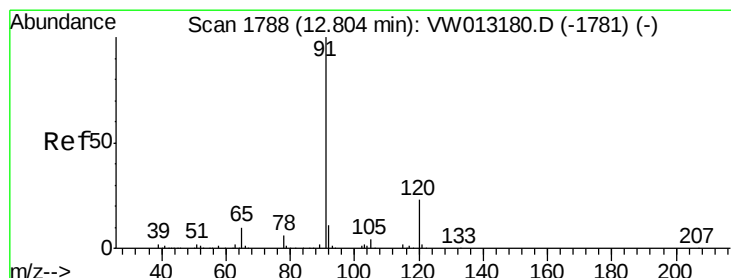
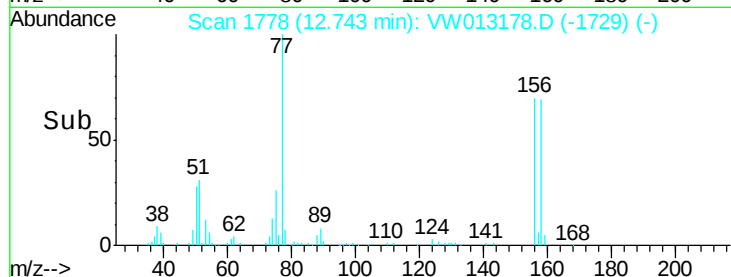
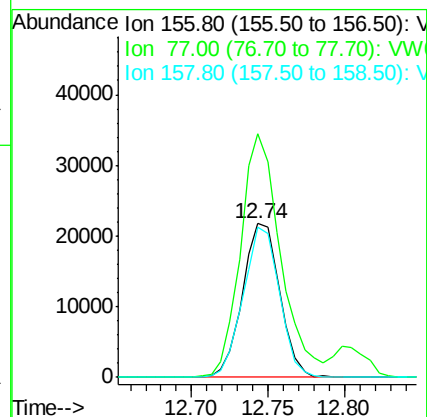
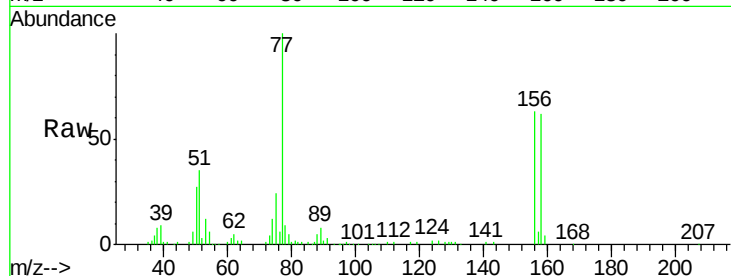
77 170.6 85.7 257.1

158 95.2 48.1 144.4

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#78

n-propylbenzene

Concen: 10.863 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW013178.D

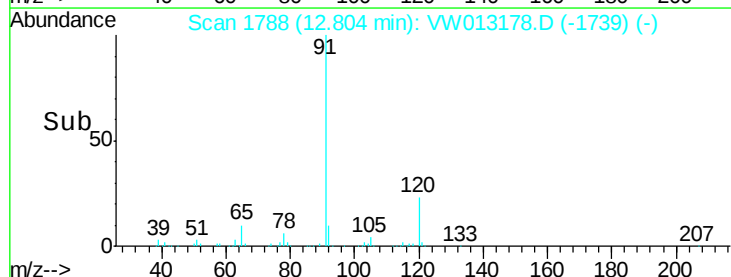
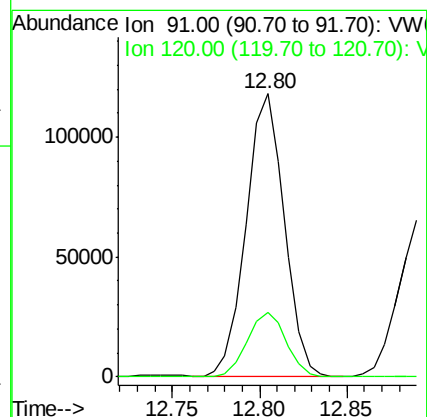
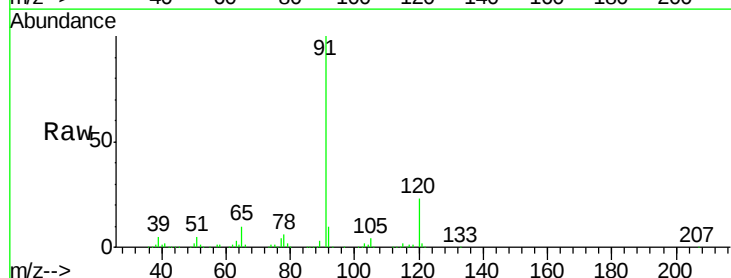
Acq: 20 Sep 2019 13:09

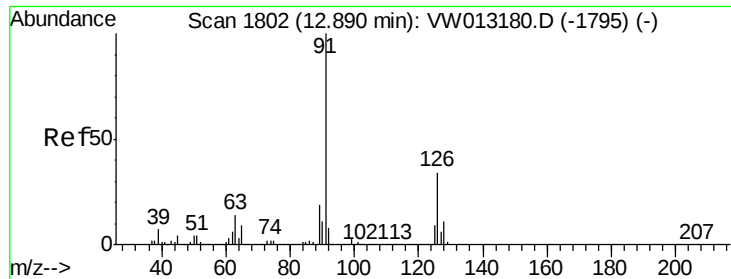
Tgt Ion: 91 Resp: 179298

Ion Ratio Lower Upper

91 100

120 23.3 11.7 35.1





#79

2-Chlorotoluene

Concen: 10.571 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW013178.D

Acq: 20 Sep 2019 13:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion: 91 Resp: 99958

Ion Ratio Lower Upper

91 100

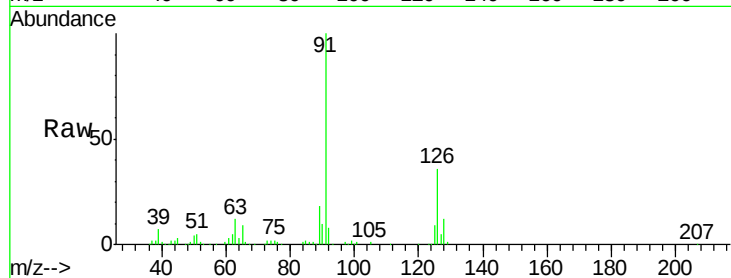
126 35.3 17.2 51.5

Manual Integrations

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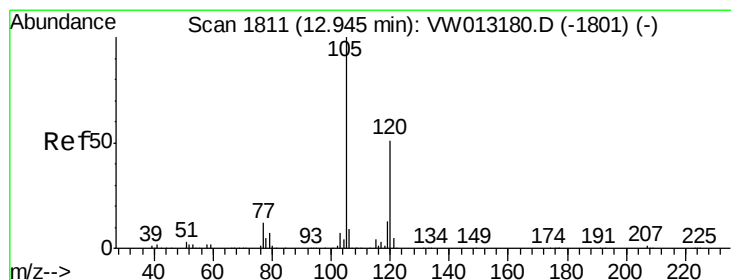
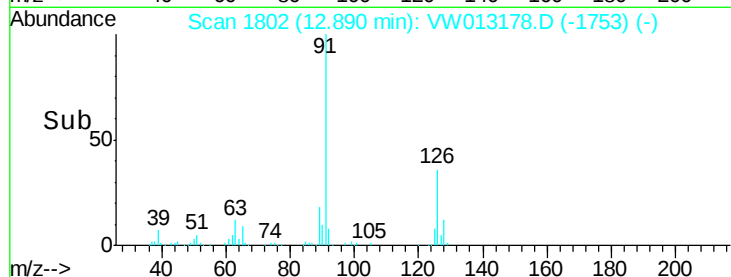
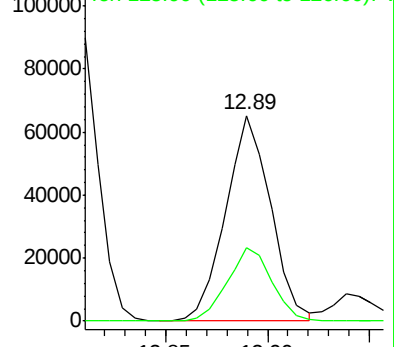
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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 11.002 ug/l

RT: 12.94 min Scan# 1810

Delta R.T. -0.01 min

Lab File: VW013178.D

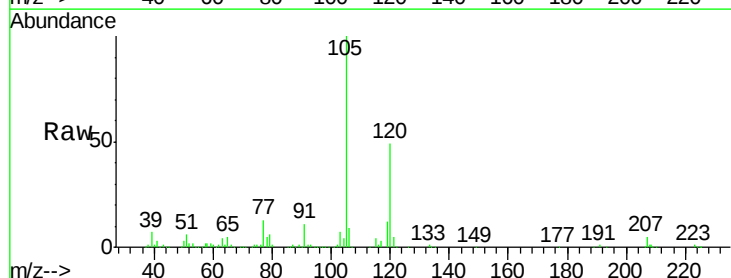
Acq: 20 Sep 2019 13:09

Tgt Ion: 105 Resp: 130851

Ion Ratio Lower Upper

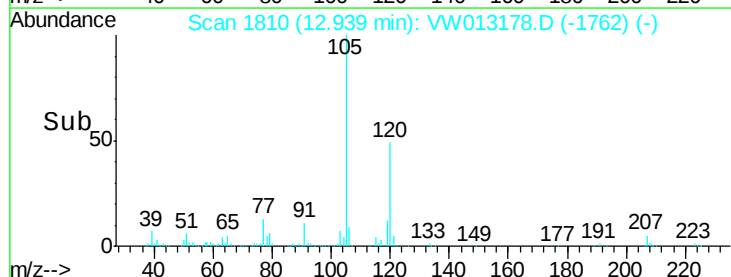
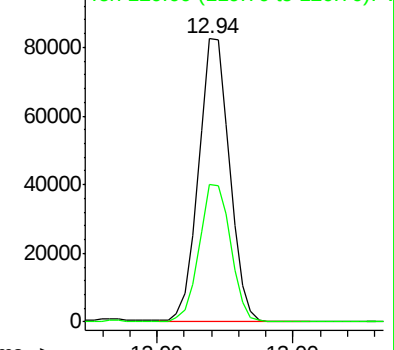
105 100

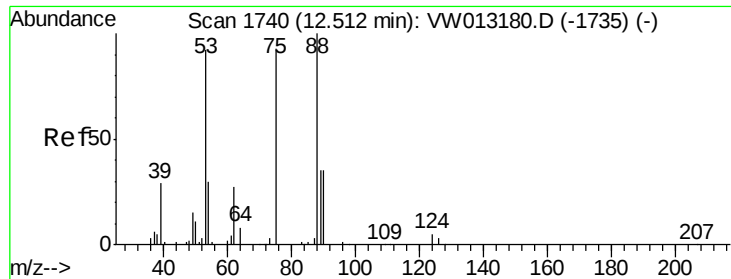
120 49.3 24.9 74.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





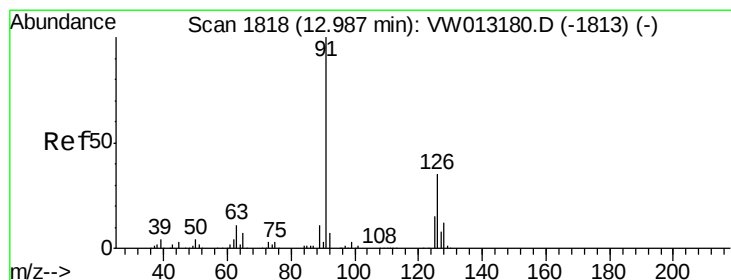
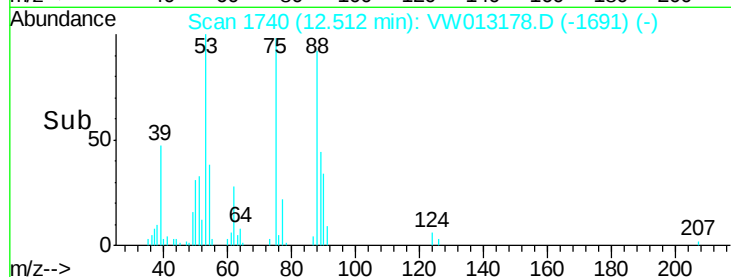
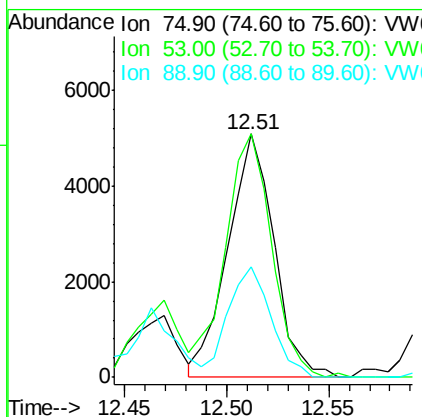
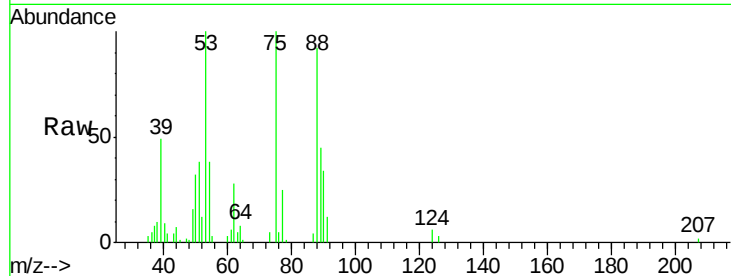
#81
trans-1,4-Dichloro-2-butene
Concen: 9.901 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW013178.D
Acq: 20 Sep 2019 13:09

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
75	100		
53	101.3	76.6	114.8
89	42.2	33.5	50.3

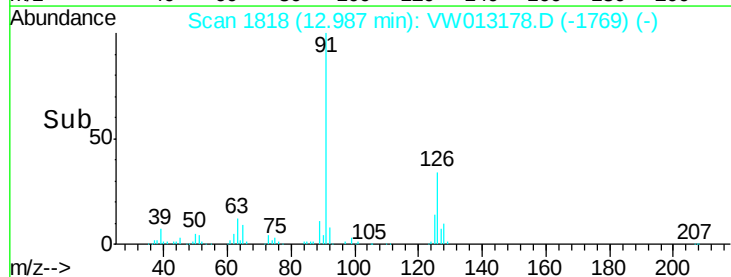
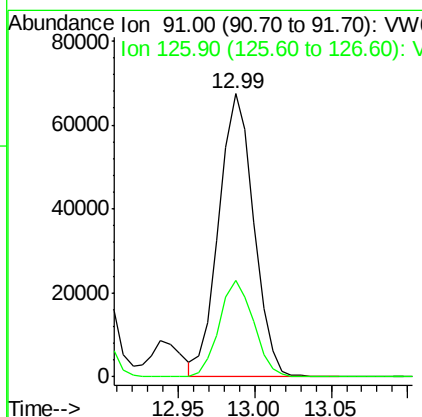
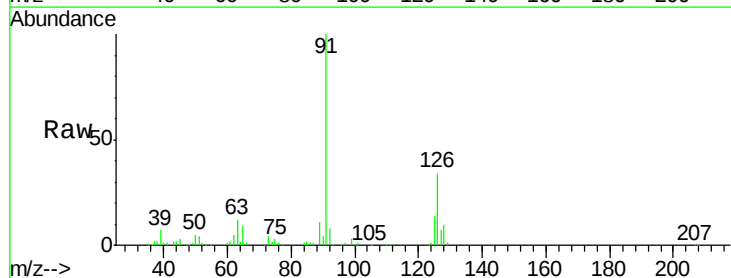
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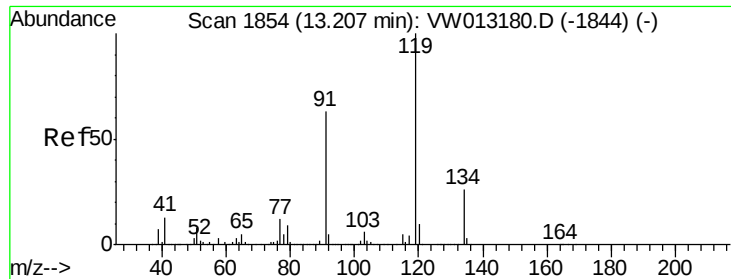
MMDadoda
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#82
4-Chlorotoluene
Concen: 10.747 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VW013178.D
Acq: 20 Sep 2019 13:09

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.7	17.3	51.7





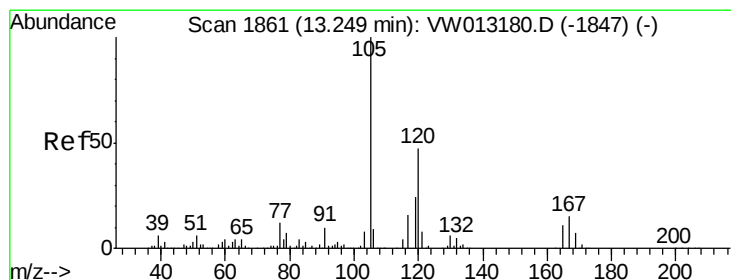
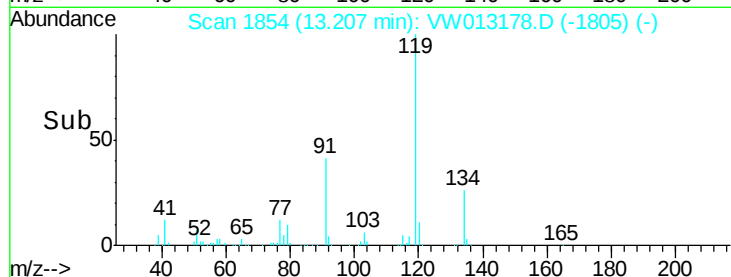
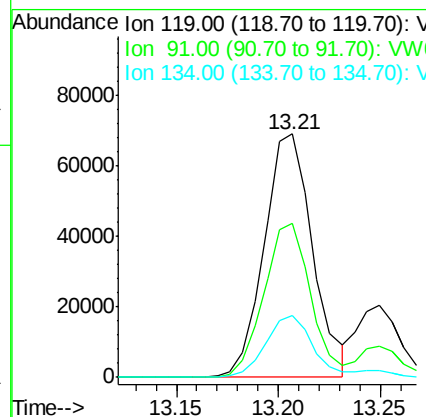
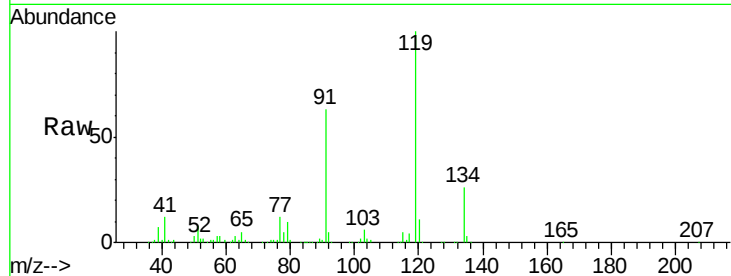
#83
tert-Butylbenzene
Concen: 10.835 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW013178.D
Acq: 20 Sep 2019 13:09

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
119	100		
91	60.9	30.7	92.1
134	24.8	12.6	37.6

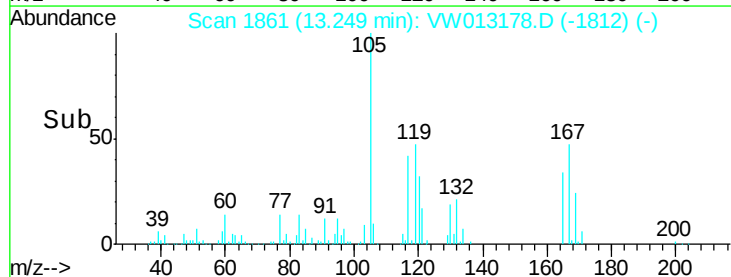
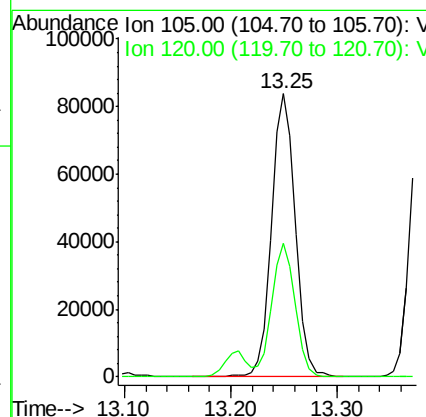
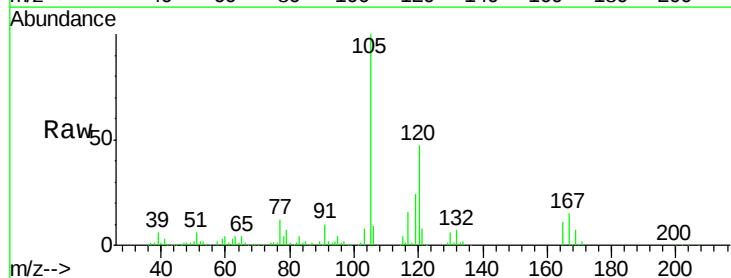
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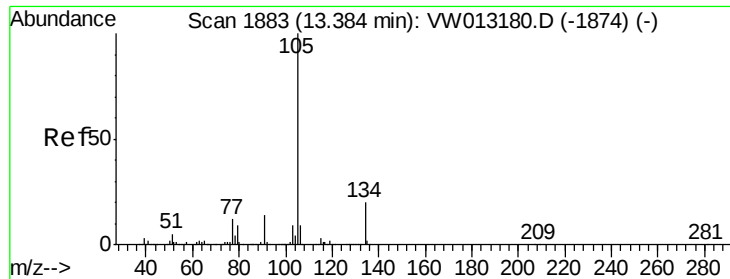
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 11.142 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW013178.D
Acq: 20 Sep 2019 13:09

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.6	23.4	70.3





#85

sec-Butylbenzene

Concen: 10.843 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW013178.D

Acq: 20 Sep 2019 13:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion:105 Resp: 156924

Ion Ratio Lower Upper

105 100

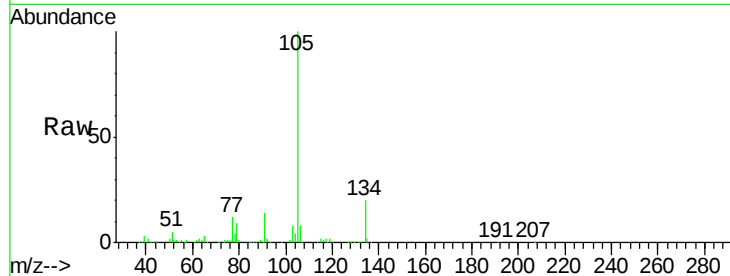
134 20.1 10.3 30.8

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

120000

100000

80000

60000

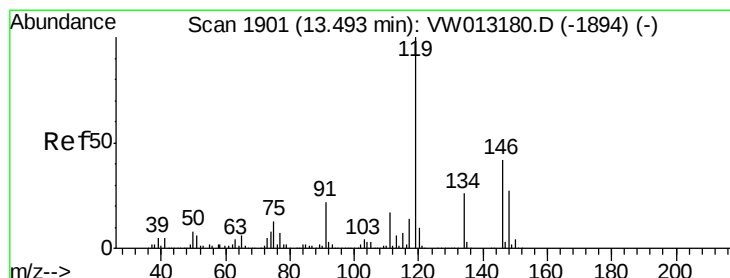
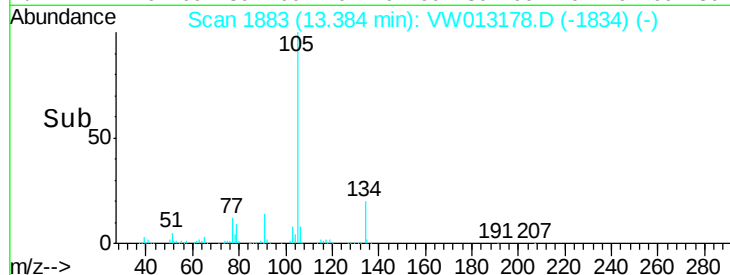
40000

20000

0

13.30 13.35 13.40 13.45

Time-->



#86

p-Isopropyltoluene

Concen: 10.939 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.01 min

Lab File: VW013178.D

Acq: 20 Sep 2019 13:09

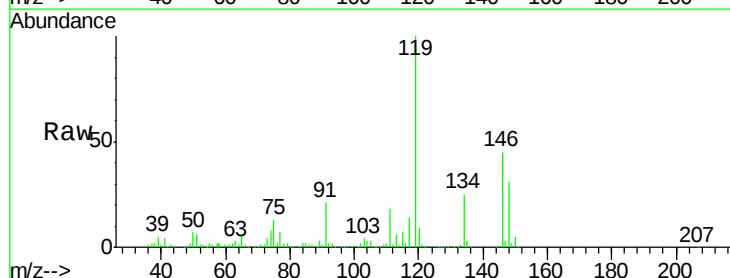
Tgt Ion:119 Resp: 145560

Ion Ratio Lower Upper

119 100

134 25.5 13.3 39.8

91 21.7 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

120000

100000

80000

60000

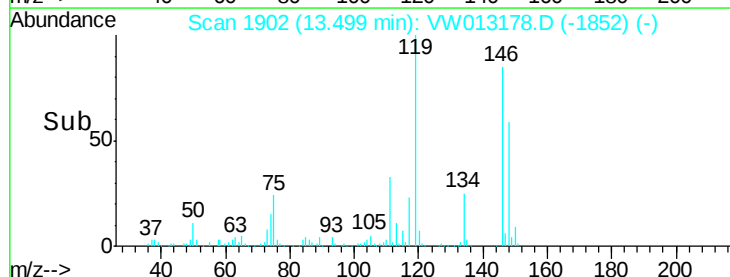
40000

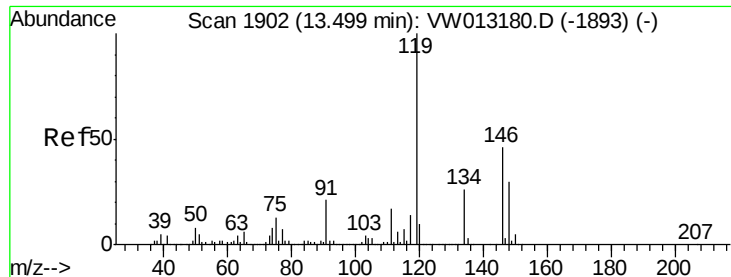
20000

0

13.45 13.50 13.55

Time-->





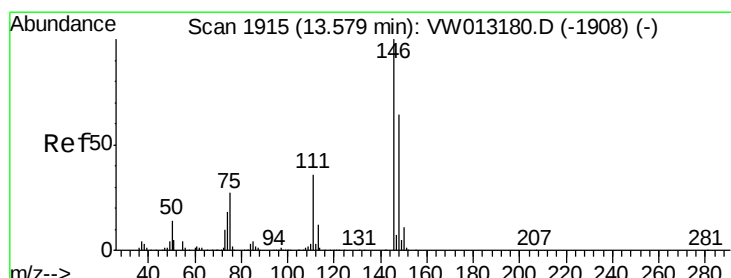
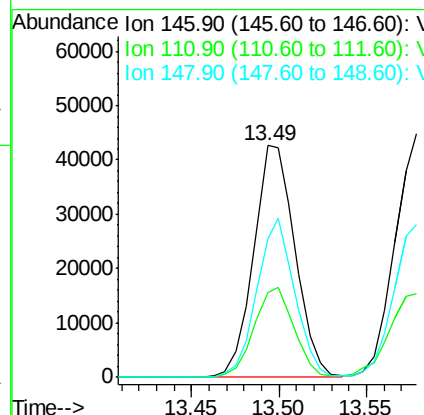
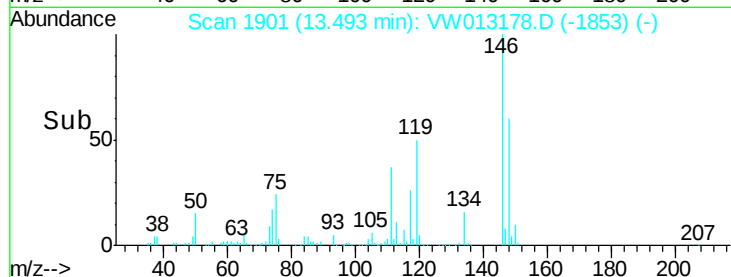
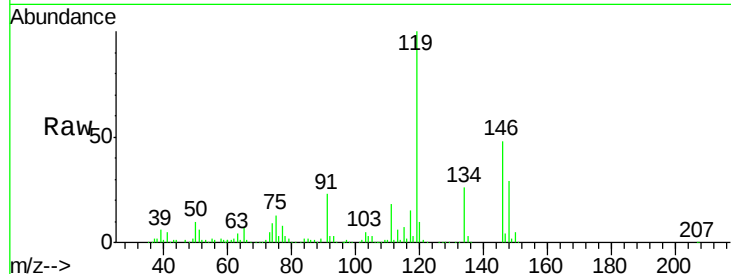
#87
 1,3-Dichlorobenzene
 Concen: 10.979 ug/l
 RT: 13.49 min Scan# 1901
 Delta R.T. -0.01 min
 Lab File: VW013178.D
 Acq: 20 Sep 2019 13:09

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.3	18.9	56.9
148	62.7	31.9	95.5

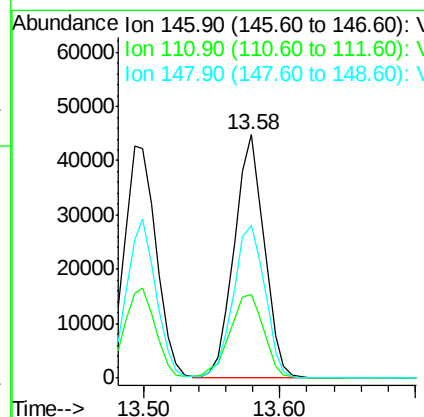
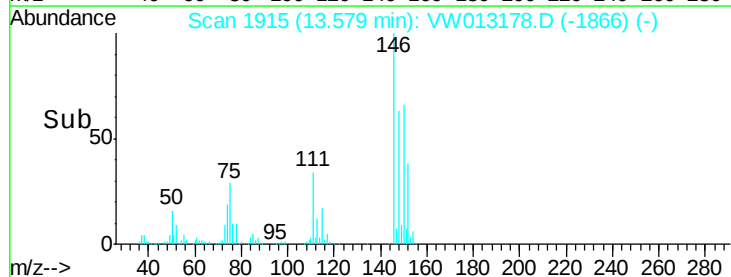
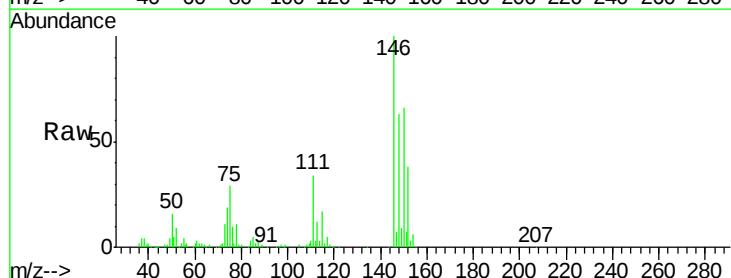
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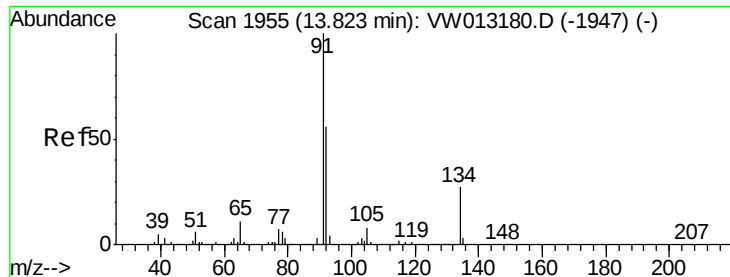
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#88
 1,4-Dichlorobenzene
 Concen: 10.938 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW013178.D
 Acq: 20 Sep 2019 13:09

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.4	18.4	55.0
148	66.3	32.1	96.3





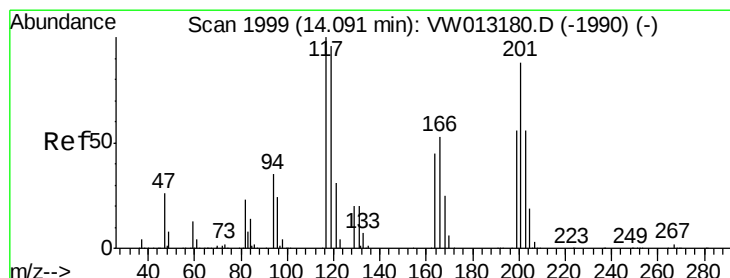
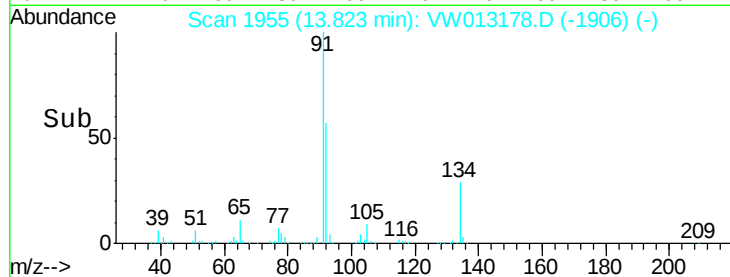
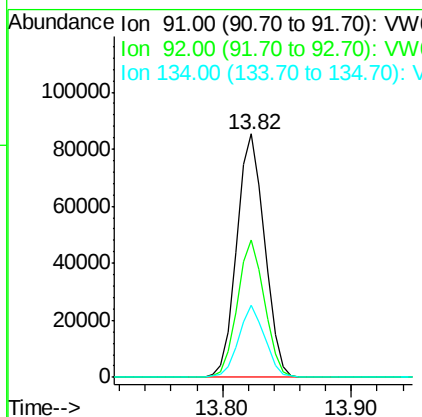
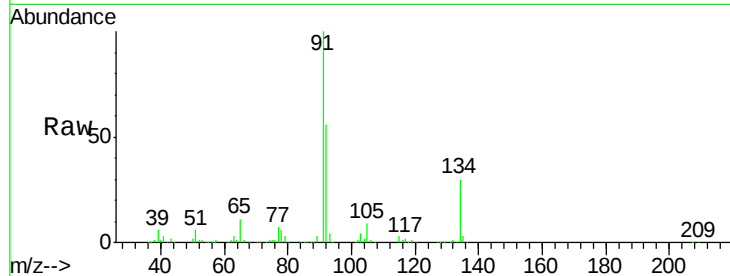
#89
n-Butylbenzene
Concen: 10.246 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW013178.D
Acq: 20 Sep 2019 13:09

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.8	27.6	82.8
134	27.6	13.7	41.1

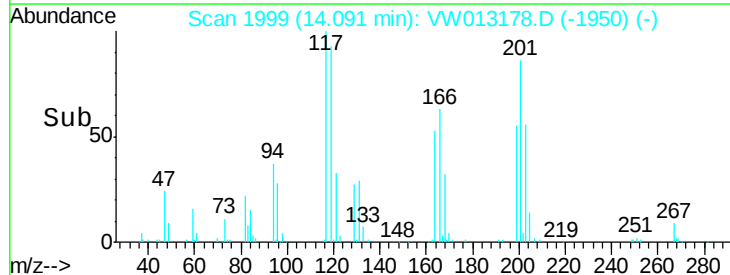
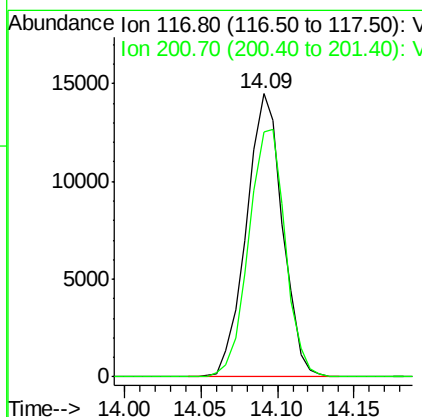
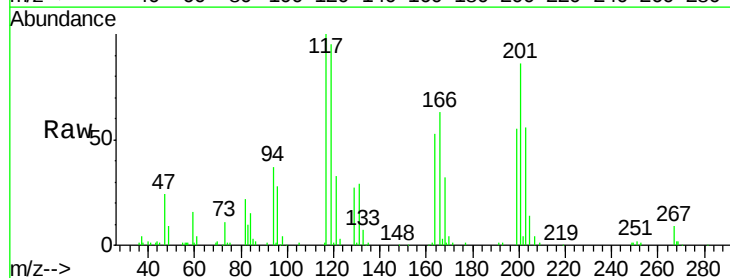
Manual Integrations
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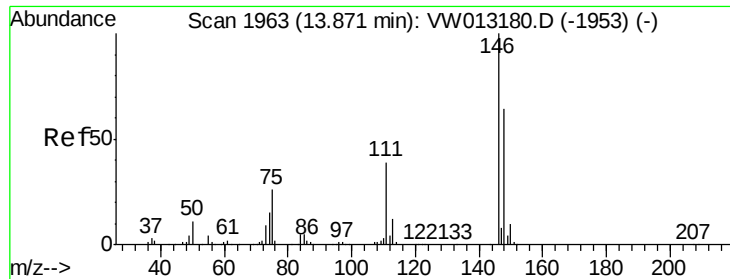
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#90
Hexachloroethane
Concen: 10.083 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. -0.00 min
Lab File: VW013178.D
Acq: 20 Sep 2019 13:09

Tgt Ion	Ratio	Lower	Upper
117	100		
201	88.3	44.5	133.5





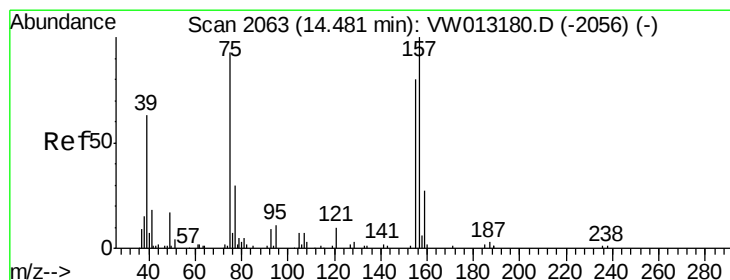
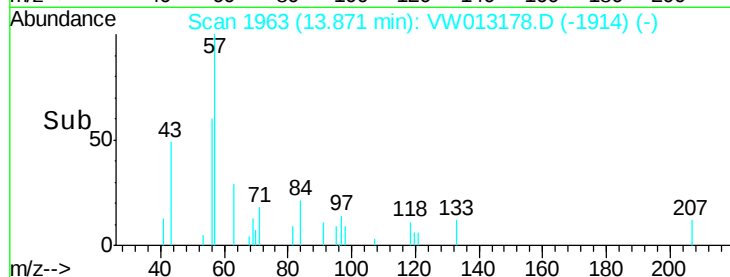
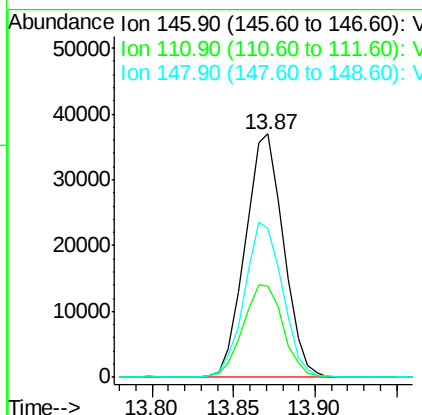
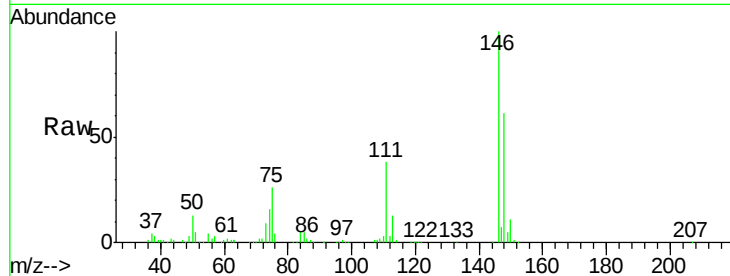
#91
 1,2-Dichlorobenzene
 Concen: 10.735 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW013178.D
 Acq: 20 Sep 2019 13:09

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.0	20.1	60.3
148	63.8	32.0	96.0

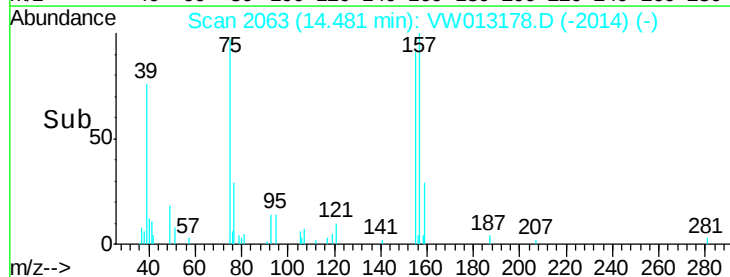
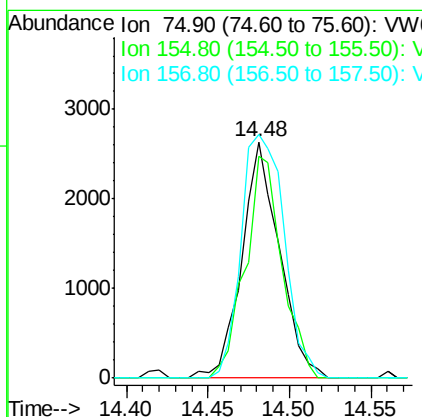
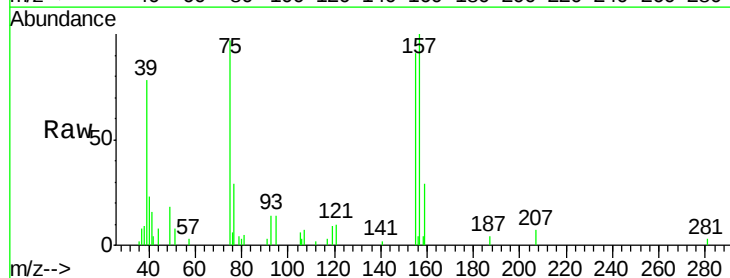
Manual Integrations
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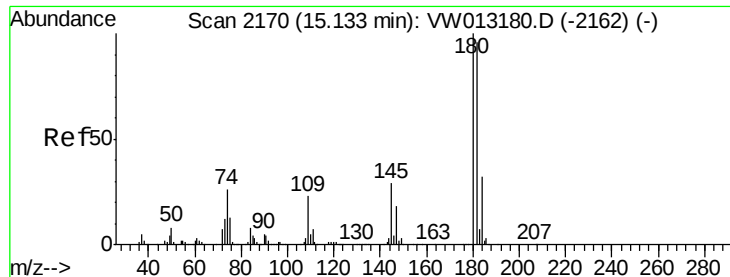
MMDadoda
 9/24/2019 5:28:42 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 9.704 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.00 min
 Lab File: VW013178.D
 Acq: 20 Sep 2019 13:09

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.3	46.1	138.3
157	117.7	60.4	181.2





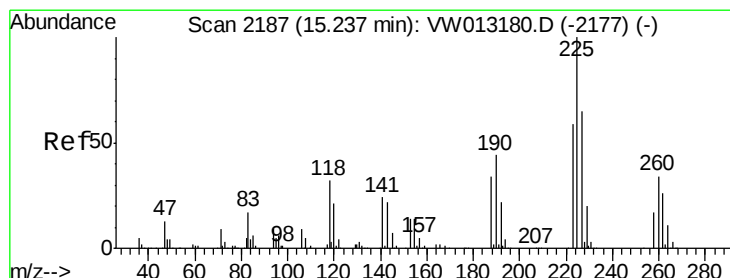
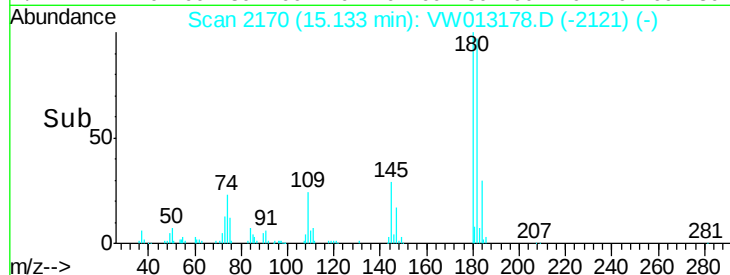
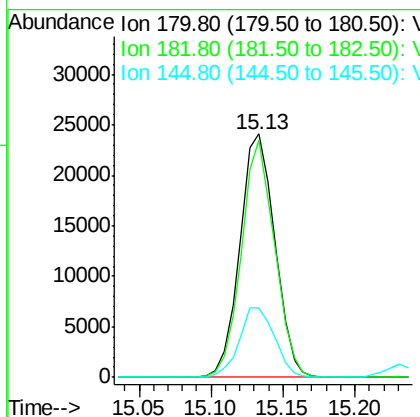
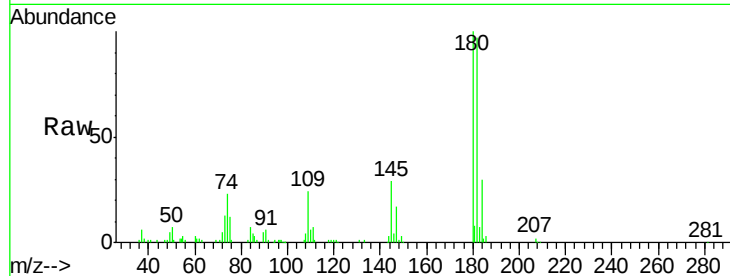
#93
 1,2,4-Trichlorobenzene
 Concen: 10.066 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW013178.D
 Acq: 20 Sep 2019 13:09

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
180	100	40521		
182	92.5	47.3	142.0	
145	29.1	14.2	42.8	

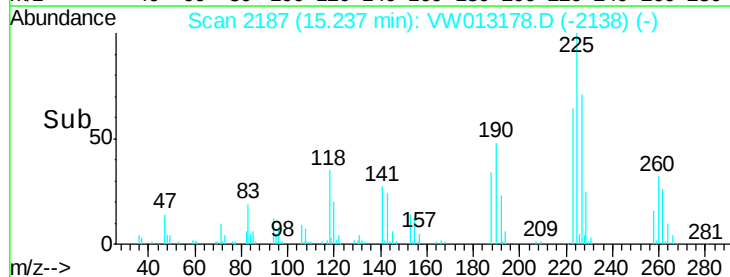
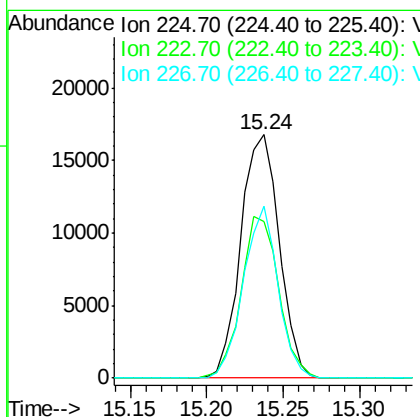
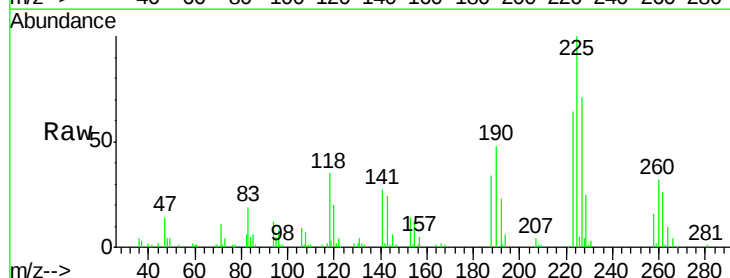
Manual Integrations
 APPROVED

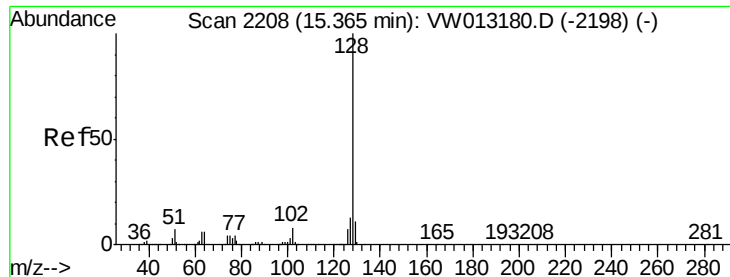
MMDadoda
 9/24/2019 5:28:42 AM



#94
 Hexachlorobutadiene
 Concen: 10.358 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW013178.D
 Acq: 20 Sep 2019 13:09

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	29370		
223	65.0	30.6	91.8	
227	63.3	31.9	95.9	





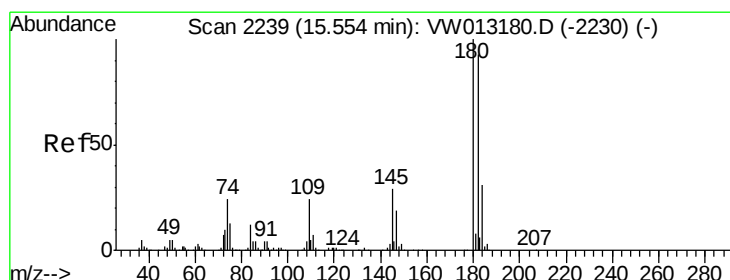
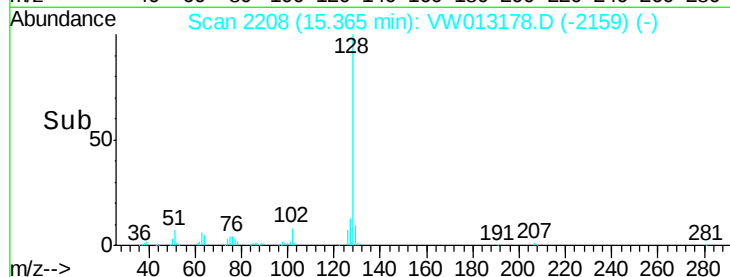
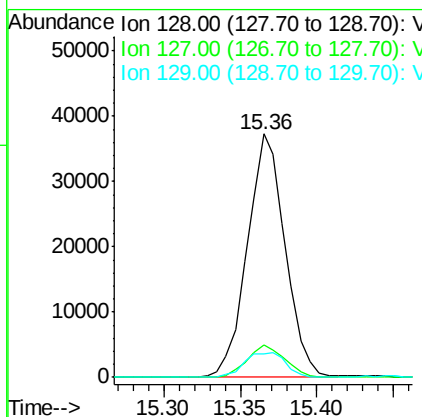
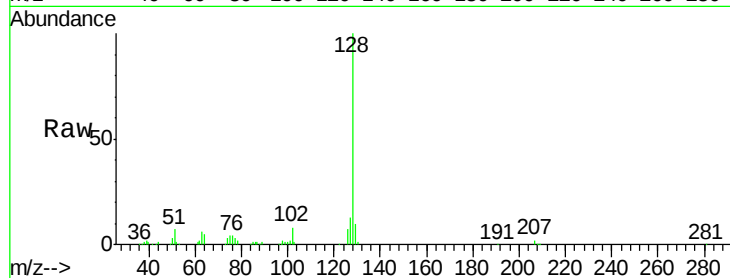
#95
Naphthalene
Concen: 9.581 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VW013178.D
Acq: 20 Sep 2019 13:09

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
128	100	63940		
127	13.5		10.6	15.8
129	11.1		8.7	13.1

Manual Integrations
APPROVED

MMDadoda
9/24/2019 5:28:42 AM



#96
1,2,3-Trichlorobenzene
Concen: 9.737 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VW013178.D
Acq: 20 Sep 2019 13:09

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	34535		
182	97.7		47.9	143.7
145	29.6		15.0	45.0

