

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW093019\
 Data File : VW013349.D
 Acq On : 30 Sep 2019 23:56
 Operator : SY/VA
 Sample : VW0930SBSD01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0930SBSD01

Manual Integrations
 APPROVED

MMDadoda
 10/1/2019 11:33:02 AM

Quant Time: Oct 01 06:29:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 20 15:58:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	275268	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	381096	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	327717	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	166768	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	121693	54.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.34%	
35) Dibromofluoromethane	7.88	113	117329	55.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.96%	
50) Toluene-d8	10.32	98	489070	55.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.50%	
62) 4-Bromofluorobenzene	12.62	95	166408	55.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.06%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	2.01	85	31690	19.958	ug/l	92
3) Chloromethane	2.21	50	40135	19.663	ug/l	99
4) Vinyl Chloride	2.35	62	54686	20.782	ug/l	98
5) Bromomethane	2.76	94	31863	19.107	ug/l	97
6) Chloroethane	2.91	64	29448	18.985	ug/l	99
7) Trichlorofluoromethane	3.25	101	27776	18.306	ug/l	99
8) Diethyl Ether	3.68	74	26893	20.750	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	4.06	101	53089	21.490	ug/l	98
10) Methyl Iodide	4.27	142	74820	19.535	ug/l	99
11) Tert butyl alcohol	5.18	59	26506	160.269	ug/l	99
12) 1,1-Dichloroethene	4.04	96	53105	20.759	ug/l	99
13) Acrolein	3.89	56	12364	95.604	ug/l	96
14) Allyl chloride	4.67	41	78321	19.238	ug/l	100
15) Acrylonitrile	5.36	53	73701	131.749	ug/l	100
16) Acetone	4.13	43	60825	120.058	ug/l	97
17) Carbon Disulfide	4.38	76	144683	19.568	ug/l	98
18) Methyl Acetate	4.67	43	45472	31.930	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	85620	21.838	ug/l	95
20) Methylene Chloride	4.91	84	58506	20.889	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	55651	20.128	ug/l	98
22) Diisopropyl ether	6.31	45	155713	20.113	ug/l	96
23) Vinyl Acetate	6.25	43	482057	104.958	ug/l	97
24) 1,1-Dichloroethane	6.21	63	94555	20.240	ug/l	99
25) 2-Butanone	7.17	43	95603	125.705	ug/l #	90
26) 2,2-Dichloropropane	7.16	77	56853	18.222	ug/l	99
27) cis-1,2-Dichloroethene	7.16	96	58748	20.134	ug/l	100
28) Bromochloromethane	7.51	49	33861	18.885	ug/l	96
29) Tetrahydrofuran	7.53	42	63753	136.688	ug/l	98
30) Chloroform	7.68	83	92764	20.282	ug/l	96
31) Cyclohexane	7.95	56	102487	21.046	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	77276	20.861	ug/l	99
36) 1,1-Dichloropropene	8.08	75	81577	22.101	ug/l	99
37) Ethyl Acetate	7.26	43	45523	29.018	ug/l	98
38) Carbon Tetrachloride	8.07	117	72578	21.934	ug/l	88

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.34	83	108327	22.837	ug/l	100
40) Benzene	8.32	78	219763	21.345	ug/l	100
41) Methacrylonitrile	7.48	41	21311	22.761	ug/l #	90
42) 1,2-Dichloroethane	8.40	62	60155	21.735	ug/l	97
43) Isopropyl Acetate	8.42	43	75239	25.024	ug/l	98
44) Trichloroethene	9.09	130	63894	22.119	ug/l	96
45) 1,2-Dichloropropane	9.37	63	52766	20.992	ug/l	98
46) Dibromomethane	9.46	93	28396	23.268	ug/l	99
47) Bromodichloromethane	9.64	83	65883	21.217	ug/l	98
48) Methyl methacrylate	9.43	41	37375	26.436	ug/l	98
49) 1,4-Dioxane	9.45	88	11823	645.413	ug/l #	90
51) 4-Methyl-2-Pentanone	10.21	43	206865	137.242	ug/l	99
52) Toluene	10.38	92	144802	21.945	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	67720	21.227	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	79736	20.556	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	42404	23.247	ug/l	95
56) Ethyl methacrylate	10.65	69	59004	24.717	ug/l	99
57) 1,3-Dichloropropane	10.93	76	72119	22.657	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.92	63	127059	114.971	ug/l	99
59) 2-Hexanone	10.97	43	141013	135.979	ug/l	98
60) Dibromochloromethane	11.13	129	46449	22.426	ug/l	99
61) 1,2-Dibromoethane	11.23	107	41587	23.979	ug/l	100
64) Tetrachloroethene	10.86	164	59468	23.916	ug/l	97
65) Chlorobenzene	11.65	112	146797	21.451	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	50487	21.595	ug/l	98
67) Ethyl Benzene	11.73	91	267120	21.543	ug/l	99
68) m/p-Xylenes	11.83	106	206851	43.778	ug/l	99
69) o-Xylene	12.16	106	94271	21.460	ug/l	97
70) Styrene	12.18	104	158157	20.971	ug/l	99
71) Bromoform	12.35	173	30460	24.661	ug/l #	97
73) Isopropylbenzene	12.46	105	266864	21.662	ug/l	99
74) N-amyl acetate	12.27	43	63821	23.346	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.71	83	52796	25.625	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	34373m	23.339	ug/l	
77) Bromobenzene	12.74	156	63584	21.780	ug/l	99
78) n-propylbenzene	12.80	91	312122	21.645	ug/l	99
79) 2-Chlorotoluene	12.89	91	172312	21.329	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	223013	21.535	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	15645	23.837	ug/l	96
82) 4-Chlorotoluene	12.99	91	177451	20.829	ug/l	99
83) tert-Butylbenzene	13.21	119	202253	22.252	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	217805	21.136	ug/l	100
85) sec-Butylbenzene	13.38	105	279207	22.281	ug/l	99
86) p-Isopropyltoluene	13.50	119	253041	21.771	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	118682	21.124	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	116920	21.219	ug/l	97
89) n-Butylbenzene	13.82	91	227896	21.474	ug/l	99
90) Hexachloroethane	14.09	117	42999	22.022	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	108292	22.279	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.48	75	8921	28.309	ug/l	96

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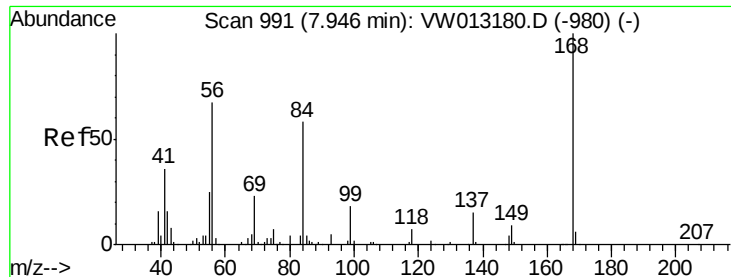
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	74392	21.358	ug/l	98
94) Hexachlorobutadiene	15.24	225	52534	22.046	ug/l	98
95) Naphthalene	15.36	128	139220	24.439	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	65612	21.801	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW013349.D

Acq: 30 Sep 2019 23:56

Instrument :

MSVOA_W

ClientSampleId :

VW0930SBSD01

Tot Ion:168 Resp: 275268

Ion Ratio Lower Upper

168 100

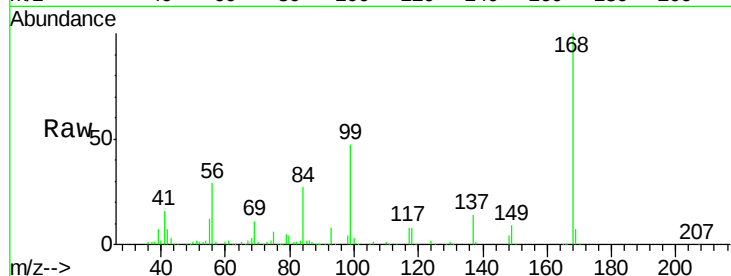
99 47.0 40.2 60.4

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

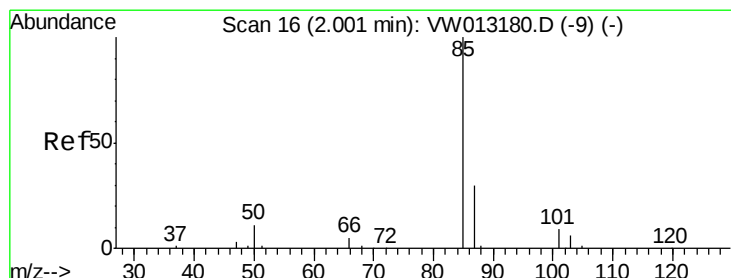
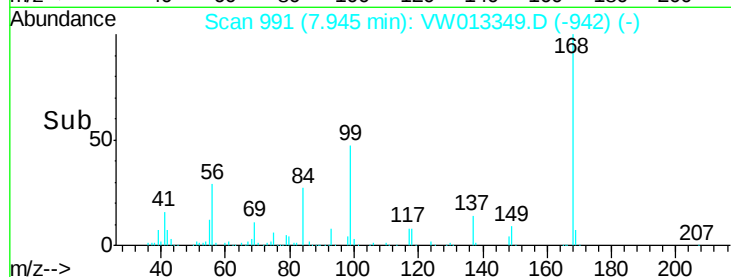
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 19.958 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.01 min

Lab File: VW013349.D

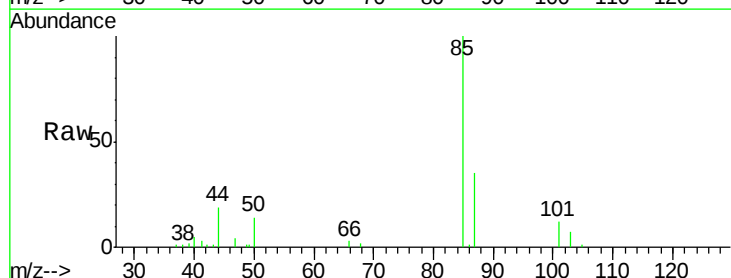
Acq: 30 Sep 2019 23:56

Tgt Ion: 85 Resp: 31690

Ion Ratio Lower Upper

85 100

87 34.5 15.1 45.3



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

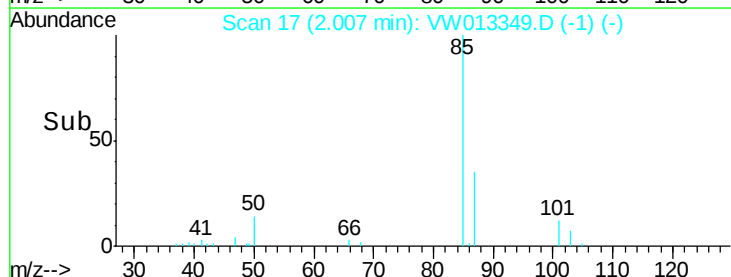
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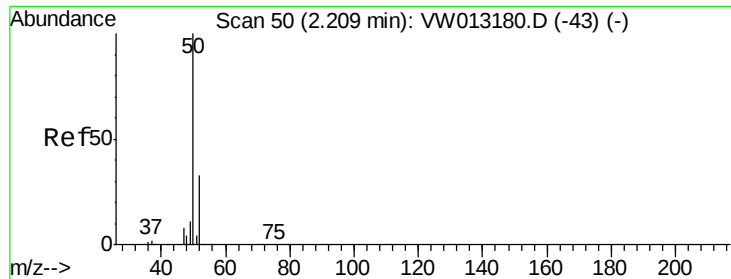
10000

5000

0

Time--> 1.90 2.00 2.10





#3

Chloromethane

Concen: 19.663 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.00 min

Lab File: VW013349.D

Acq: 30 Sep 2019 23:56

Instrument :

MSVOA_W

ClientSampleId :

VW0930SBSD01

Tot Ion: 50 Resp: 40135

Ion Ratio Lower Upper

50 100

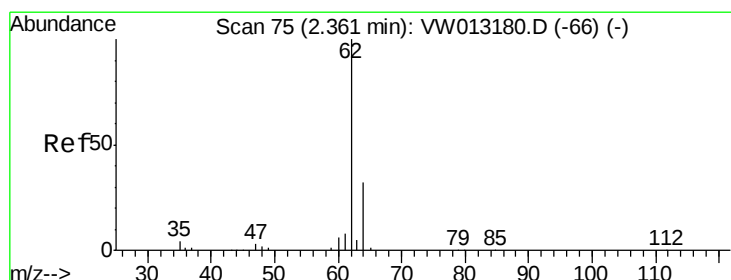
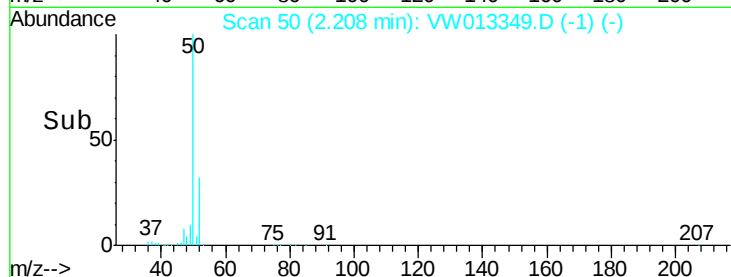
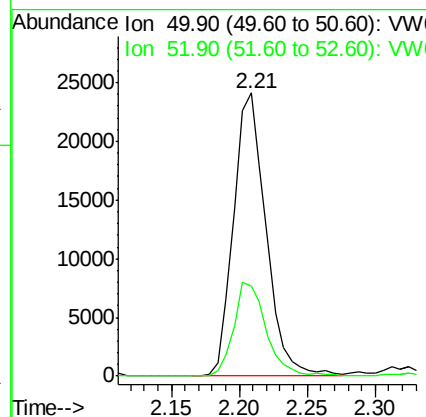
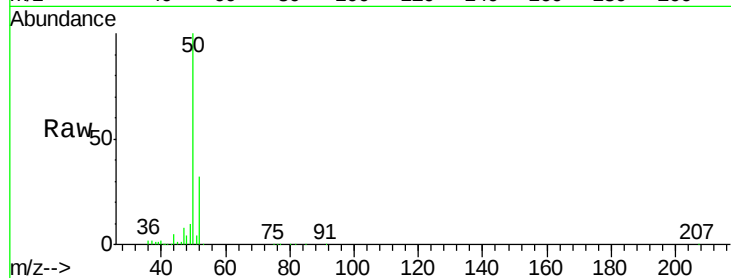
52 32.0 26.1 39.1

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#4

Vinyl Chloride

Concen: 20.782 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW013349.D

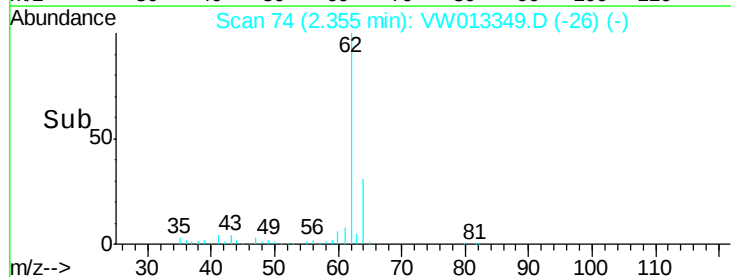
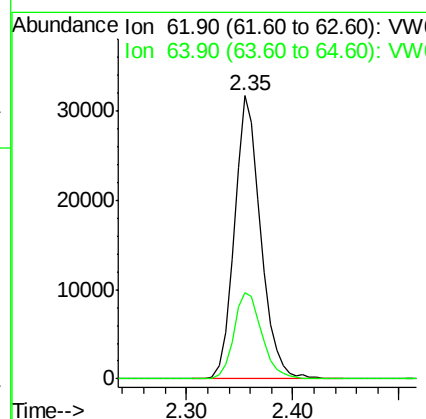
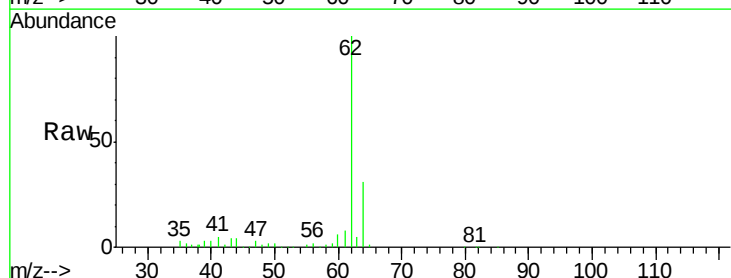
Acq: 30 Sep 2019 23:56

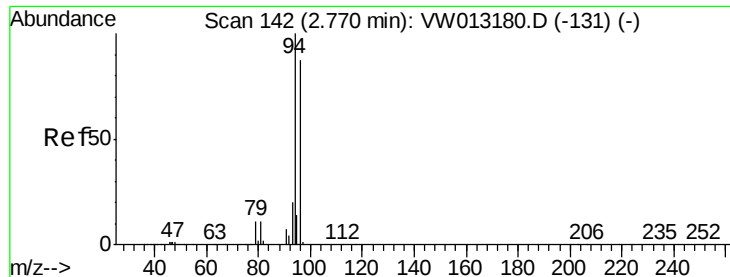
Tgt Ion: 62 Resp: 54686

Ion Ratio Lower Upper

62 100

64 30.6 25.3 37.9





#5

Bromomethane

Concen: 19.107 ug/l

RT: 2.76 min Scan# 141

Delta R.T. -0.01 min

Lab File: VW013349.D

Acq: 30 Sep 2019 23:56

Instrument :

MSVOA_W

ClientSampleId :

VW0930SBSD01

Tot Ion: 94 Resp: 31863

Ion Ratio Lower Upper

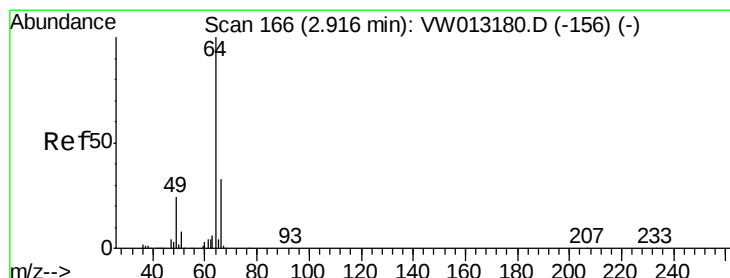
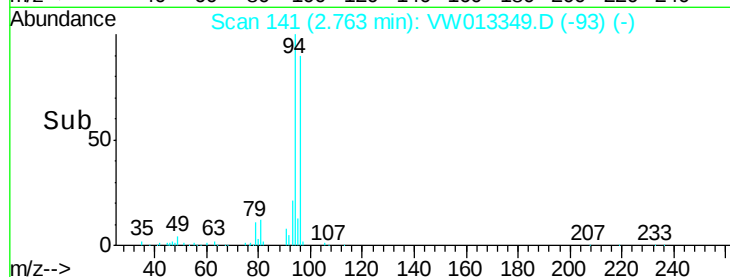
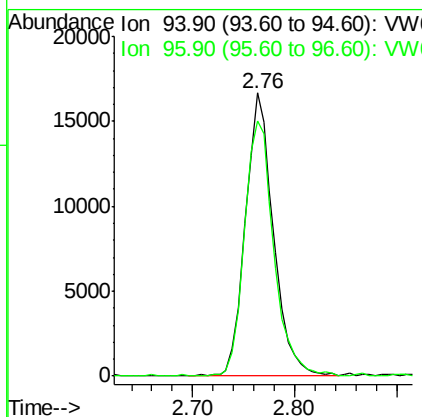
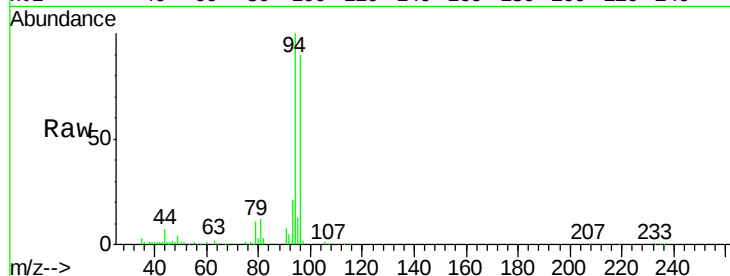
94 100

96 90.2 69.7 104.5

Manual Integrations
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#6

Chloroethane

Concen: 18.985 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.01 min

Lab File: VW013349.D

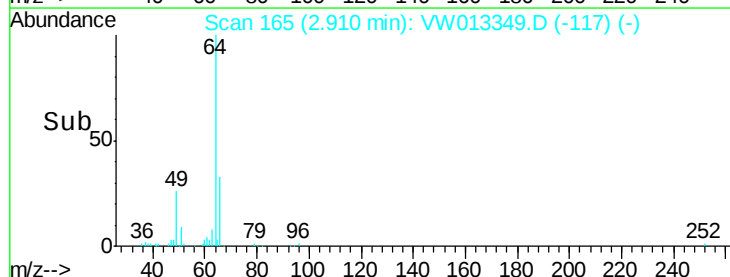
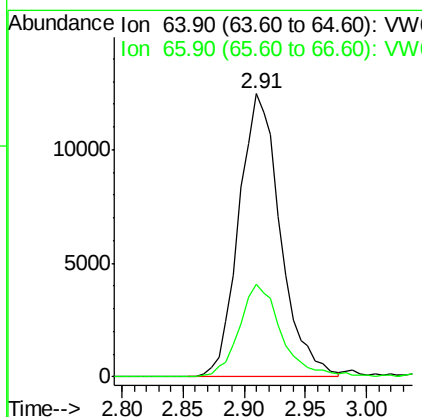
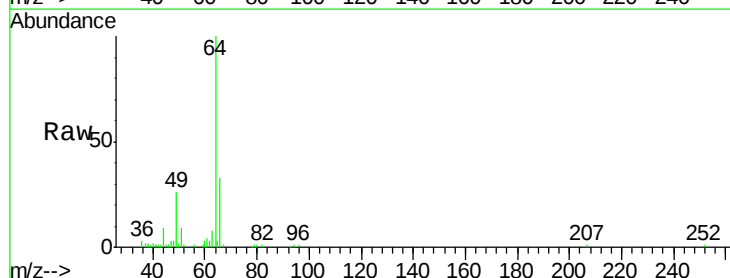
Acq: 30 Sep 2019 23:56

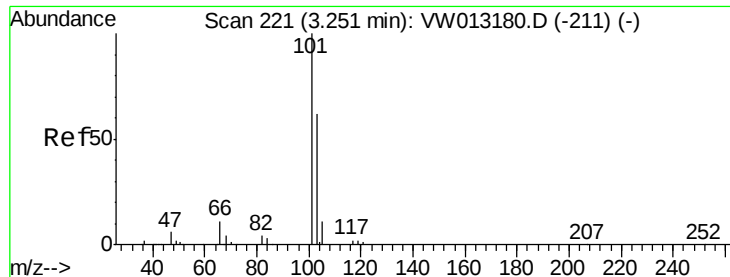
Tgt Ion: 64 Resp: 29448

Ion Ratio Lower Upper

64 100

66 32.5 26.6 39.8





#7

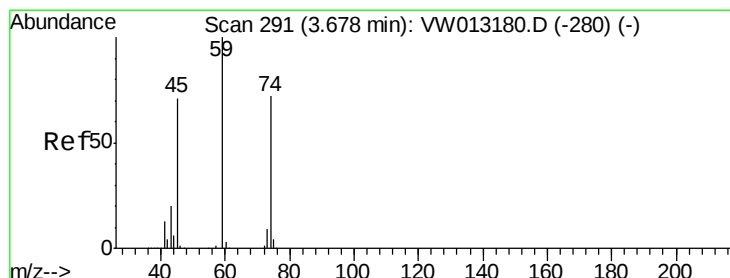
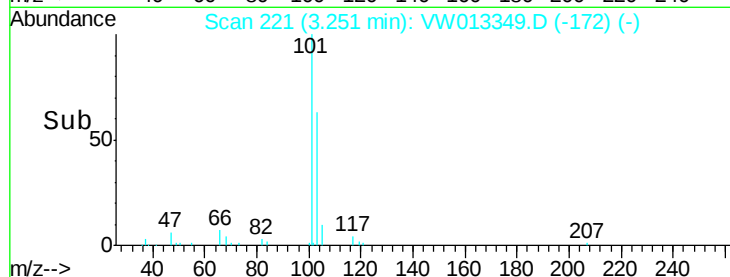
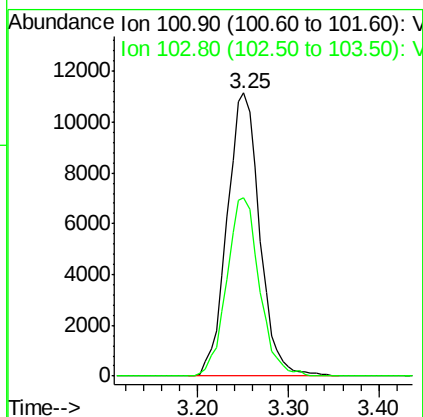
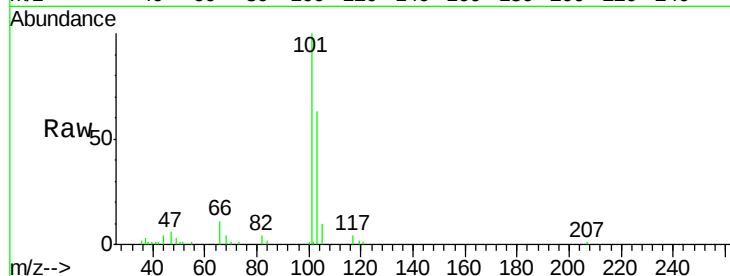
Trichlorofluoromethane
Concen: 18.306 ug/l
RT: 3.25 min Scan# 221
Delta R.T. -0.00 min
Lab File: VW013349.D
Acq: 30 Sep 2019 23:56

Instrument :
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ClientSampleId :
VW0930SBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.0	49.7	74.5

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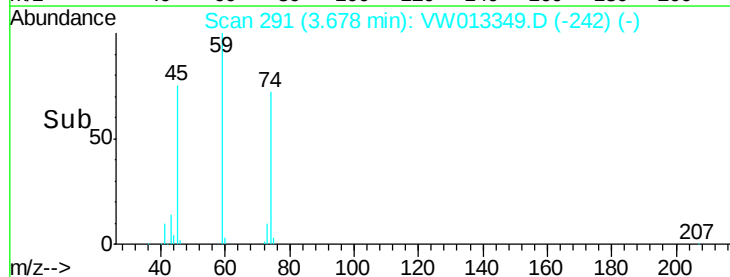
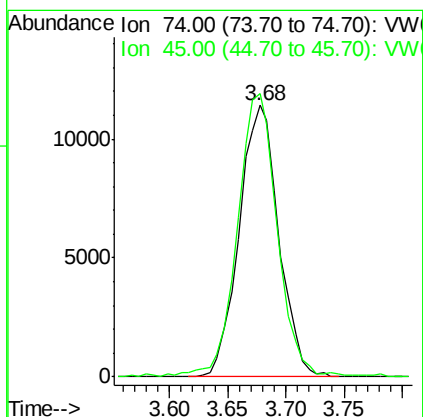
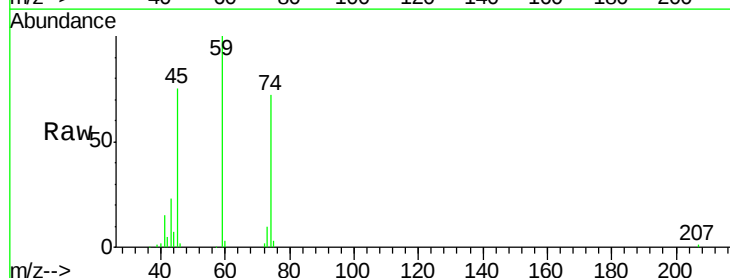
MMDadoda
10/1/2019 11:33:02 AM

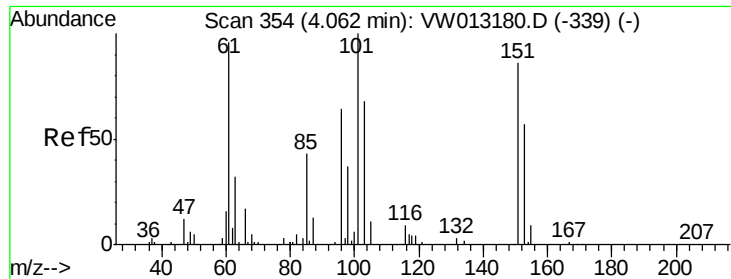


#8

Diethyl Ether
Concen: 20.750 ug/l
RT: 3.68 min Scan# 291
Delta R.T. -0.00 min
Lab File: VW013349.D
Acq: 30 Sep 2019 23:56

Tgt Ion	Ratio	Lower	Upper
74	100		
45	105.7	49.5	148.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.490 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW013349.D

Acq: 30 Sep 2019 23:56

Instrument :

MSVOA_W

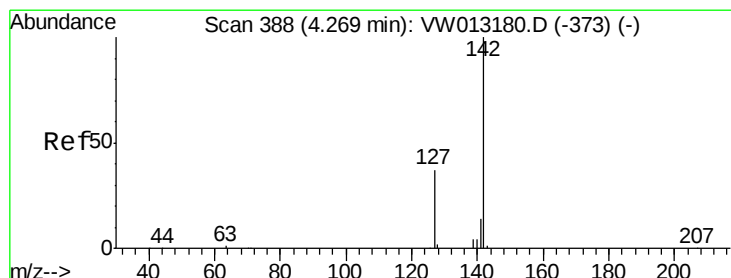
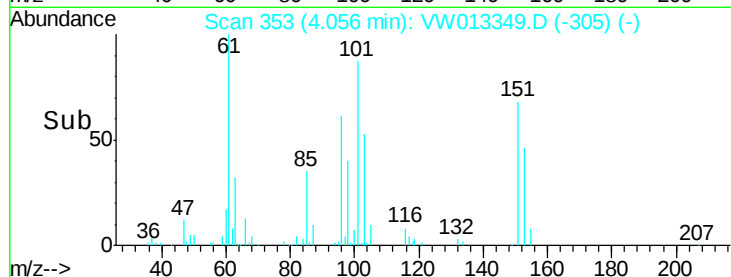
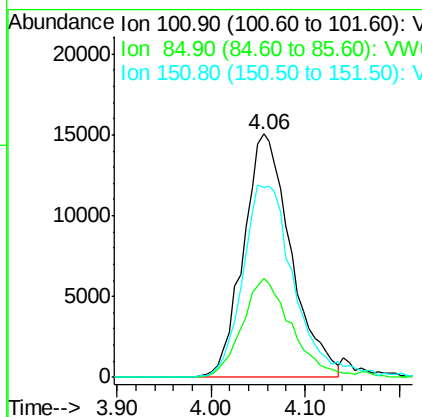
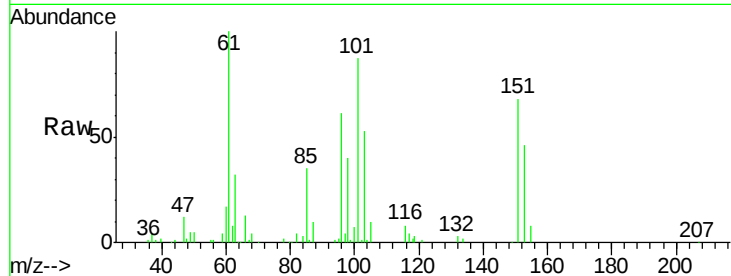
ClientSampleId :

VW0930SBSD01

Tot Ion:	101	Resp:	53089
Ion Ratio	Lower	Upper	
101	100		
85	42.0	33.4	50.0
151	86.1	66.9	100.3

Manual Integrations
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#10

Methyl Iodide

Concen: 19.535 ug/l

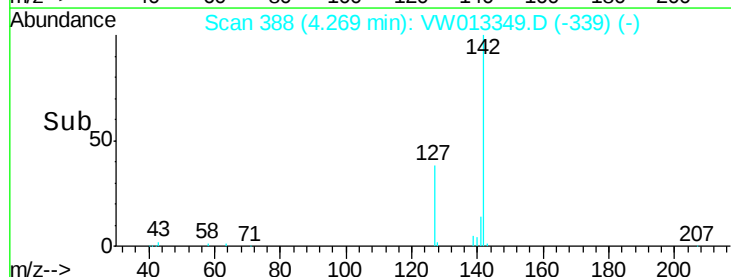
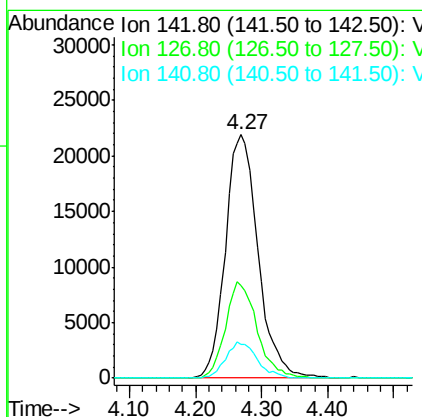
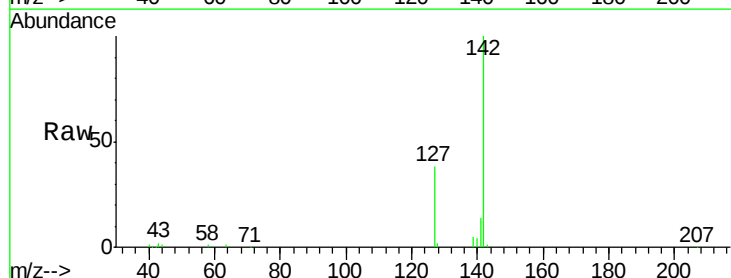
RT: 4.27 min Scan# 388

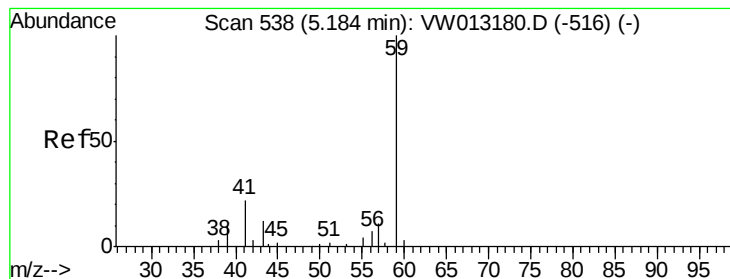
Delta R.T. -0.00 min

Lab File: VW013349.D

Acq: 30 Sep 2019 23:56

Tgt Ion:	142	Resp:	74820
Ion Ratio	Lower	Upper	
142	100		
127	38.2	30.9	46.3
141	14.2	11.7	17.5





#11

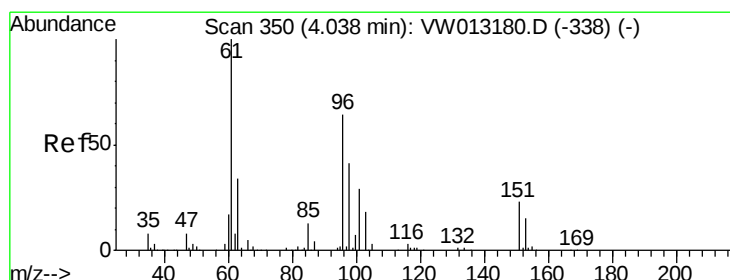
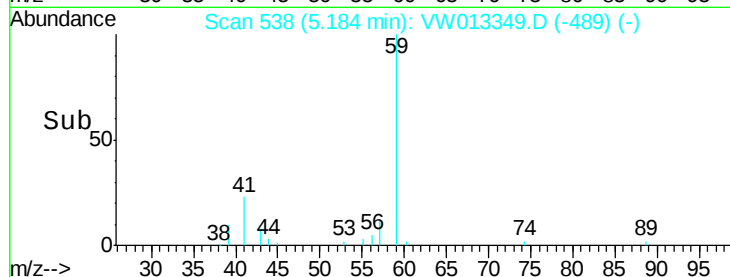
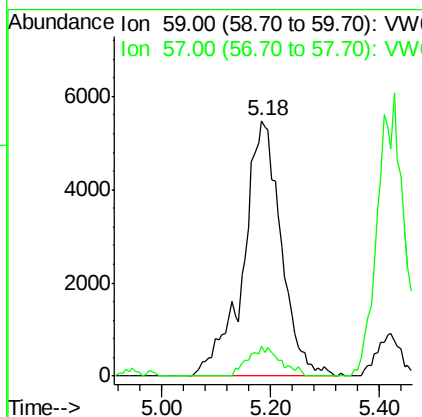
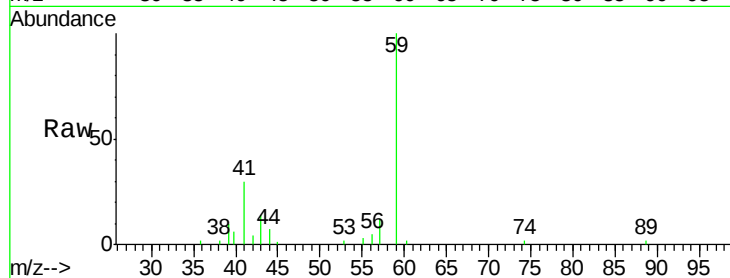
Tert butyl alcohol
 Concen: 160.269 ug/l
 RT: 5.18 min Scan# 538
 Delta R.T. 0.00 min
 Lab File: VW013349.D
 Acq: 30 Sep 2019 23:56

Instrument :
 MSVOA_W
 ClientSampled :
 VW0930SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.8	8.2	12.2

Manual Integrations
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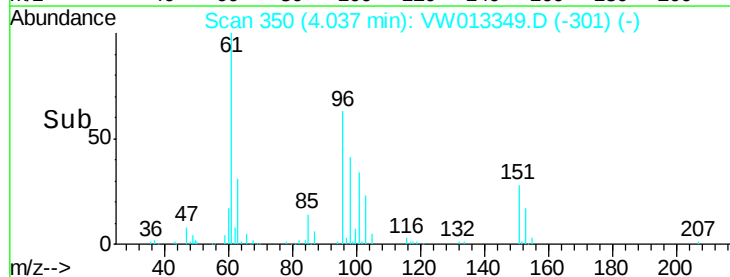
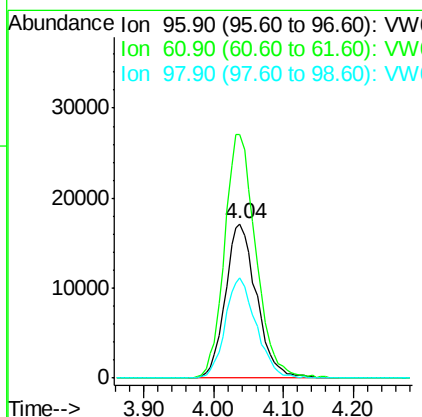
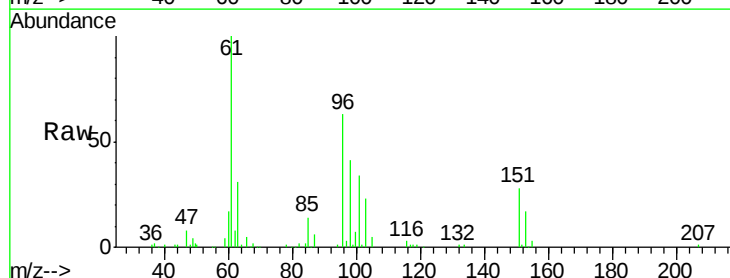
MMDadoda
 10/1/2019 11:33:02 AM

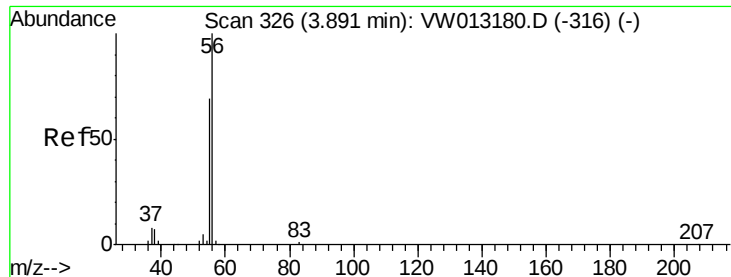


#12

1,1-Dichloroethene
 Concen: 20.759 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. -0.00 min
 Lab File: VW013349.D
 Acq: 30 Sep 2019 23:56

Tgt Ion	Ratio	Lower	Upper
96	100		
61	158.1	125.1	187.7
98	64.7	50.8	76.2





#13

Acrolein

Concen: 95.604 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.00 min

Lab File: VW013349.D

Acq: 30 Sep 2019 23:56

Instrument :

MSVOA_W

ClientSampleId :

VW0930SBSD01

Tot Ion: 56 Resp: 12364

Ion Ratio Lower Upper

56 100

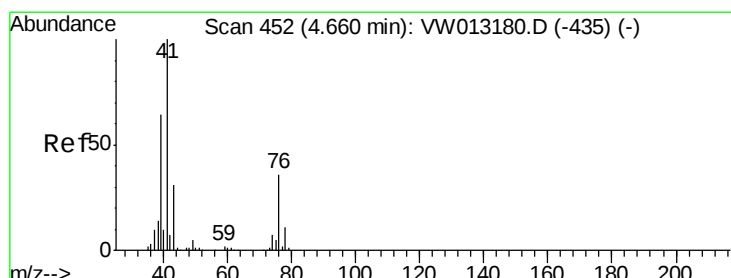
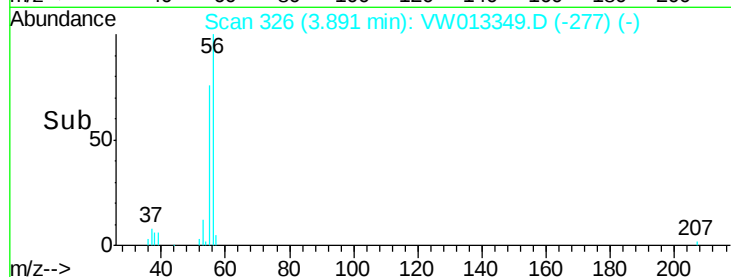
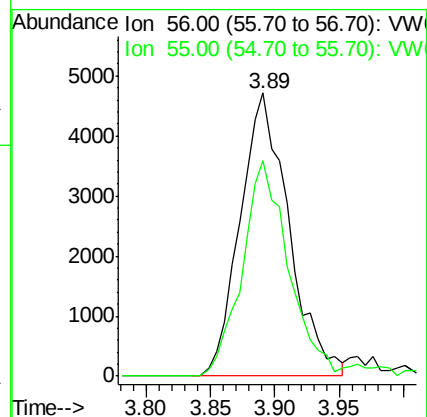
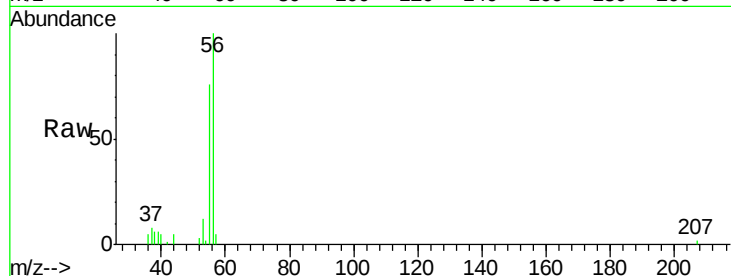
55 72.4 55.4 83.0

Manual Integrations

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#14

Allyl chloride

Concen: 19.238 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.01 min

Lab File: VW013349.D

Acq: 30 Sep 2019 23:56

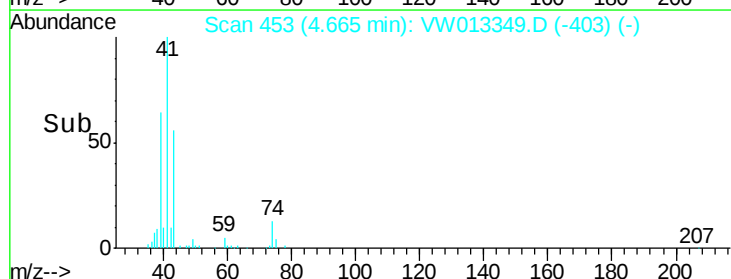
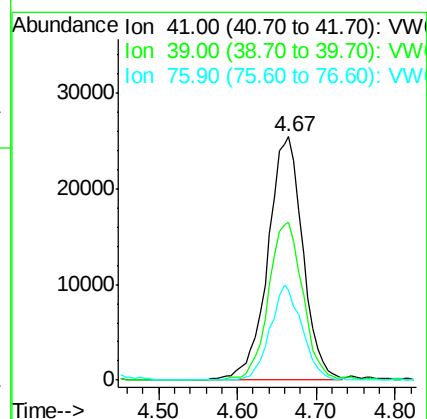
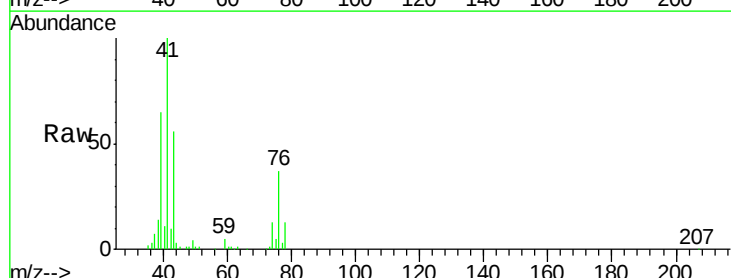
Tgt Ion: 41 Resp: 78321

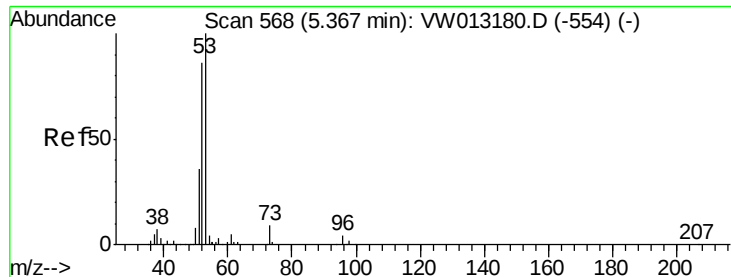
Ion Ratio Lower Upper

41 100

39 63.6 51.0 76.4

76 35.6 28.4 42.6





#15

Acrylonitrile

Concen: 131.749 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.01 min

Lab File: VW013349.D

Acq: 30 Sep 2019 23:56

Instrument :

MSVOA_W

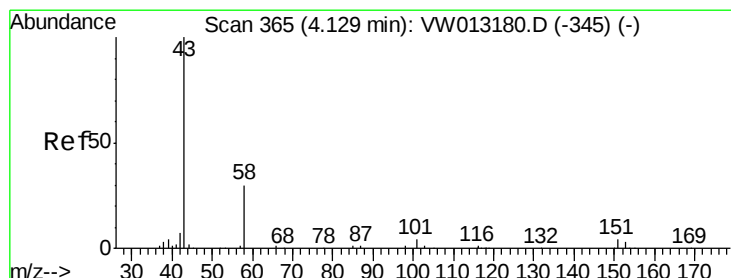
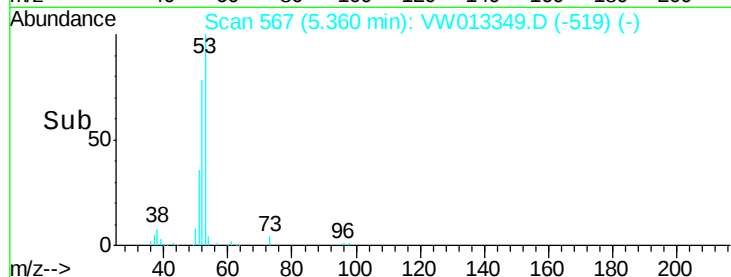
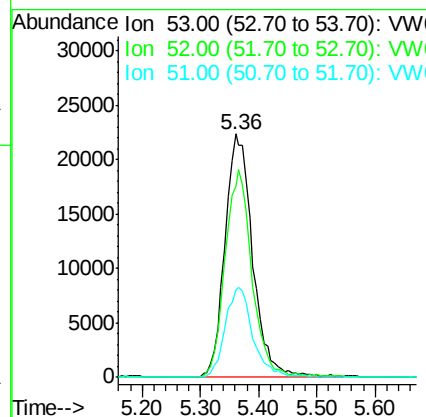
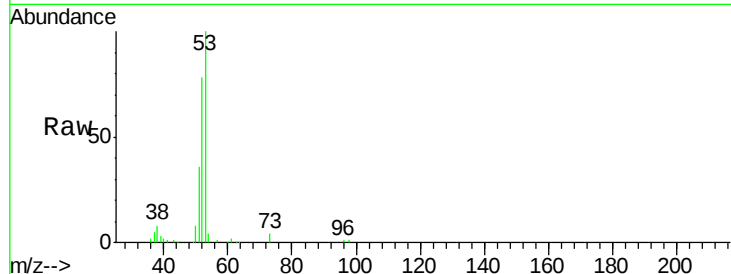
ClientSampleId :

VW0930SBS01

Tot Ion:	53	Resp:	73701
Ion Ratio	Lower	Upper	
53	100		
52	81.6	65.3	97.9
51	36.8	29.0	43.4

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#16

Acetone

Concen: 120.058 ug/l

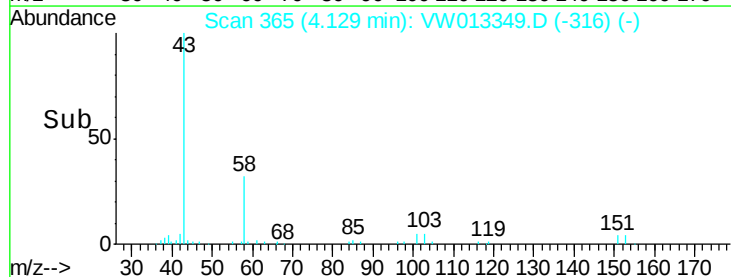
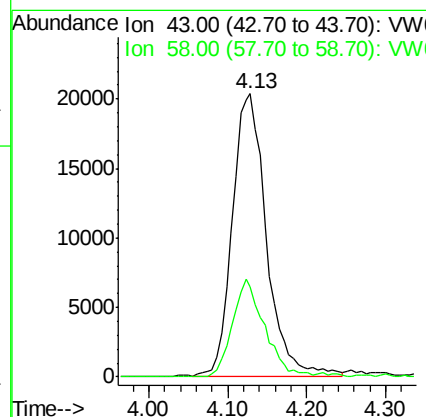
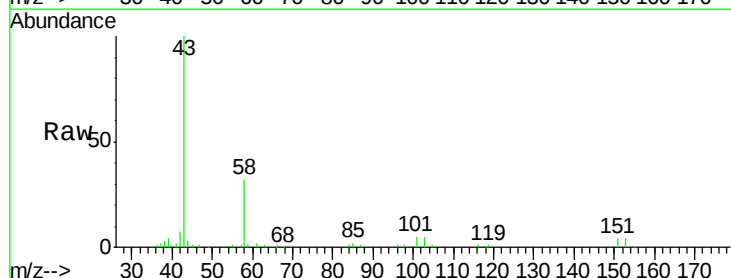
RT: 4.13 min Scan# 365

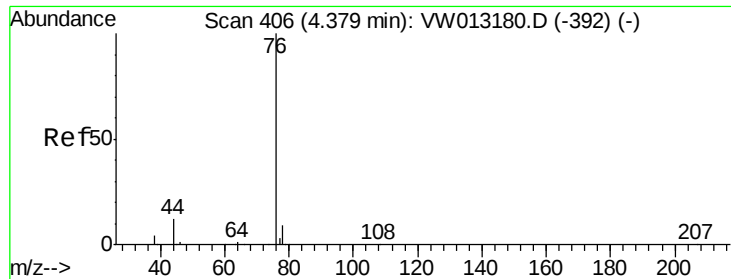
Delta R.T. -0.00 min

Lab File: VW013349.D

Acq: 30 Sep 2019 23:56

Tgt Ion:	43	Resp:	60825
Ion Ratio	Lower	Upper	
43	100		
58	31.8	24.1	36.1





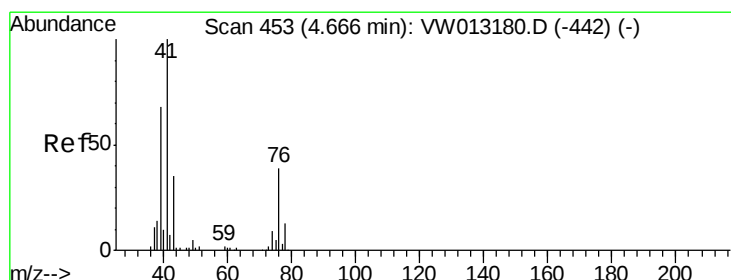
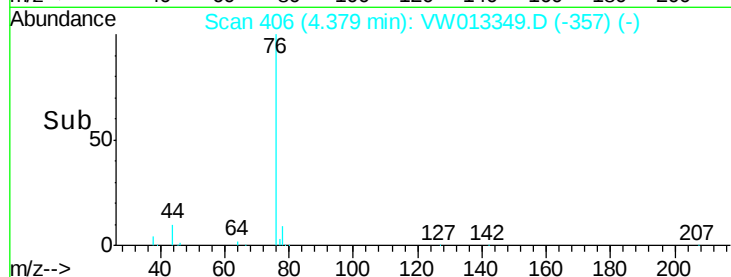
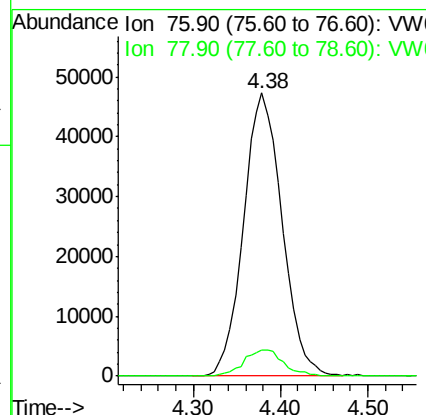
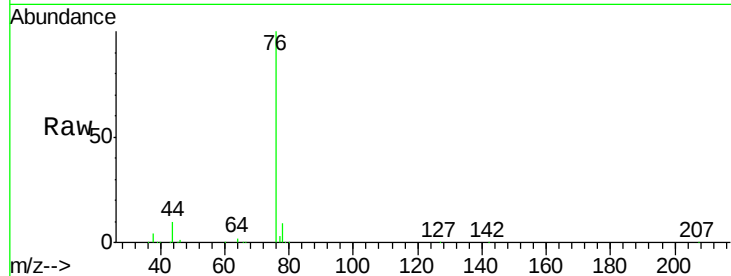
#17
Carbon Disulfide
Concen: 19.568 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.00 min
Lab File: VW013349.D
Acq: 30 Sep 2019 23:56

Instrument :
MSVOA_W
ClientSampleId :
VW0930SBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.0	10.4

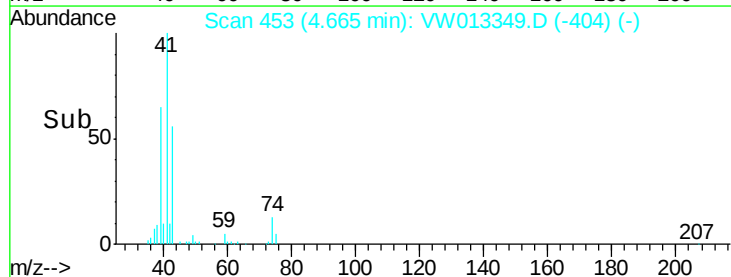
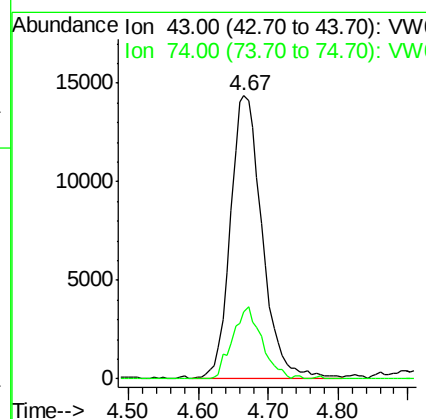
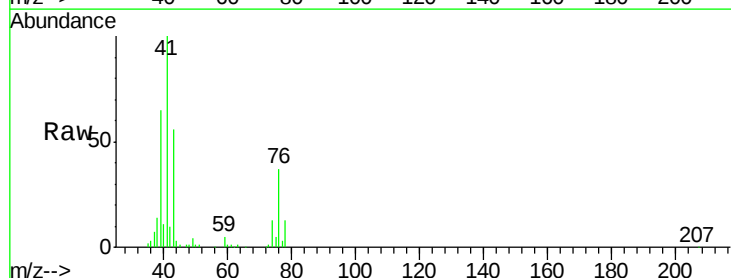
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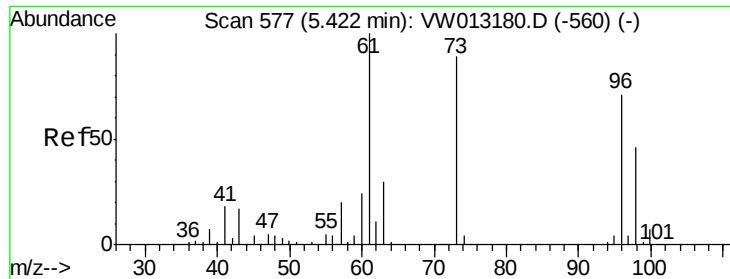
MMDadoda
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#18
Methyl Acetate
Concen: 31.930 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW013349.D
Acq: 30 Sep 2019 23:56

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.2	19.3	28.9





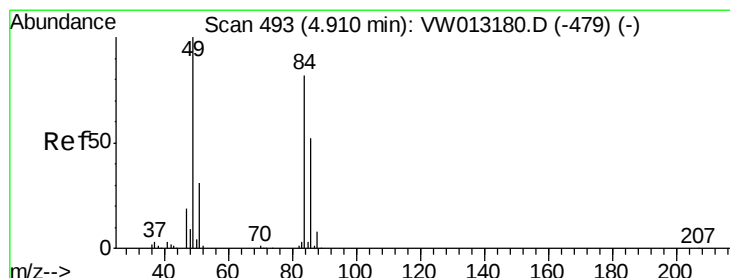
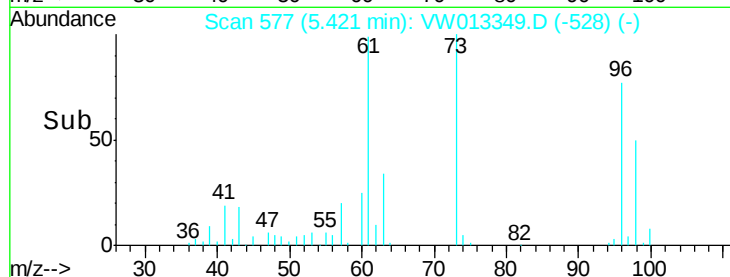
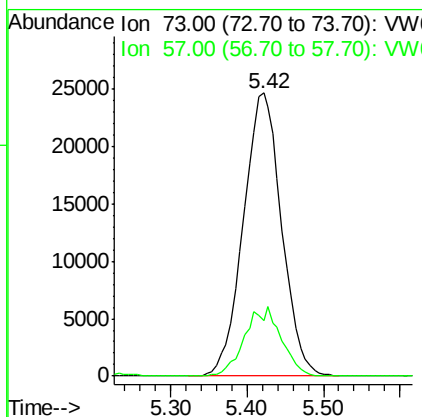
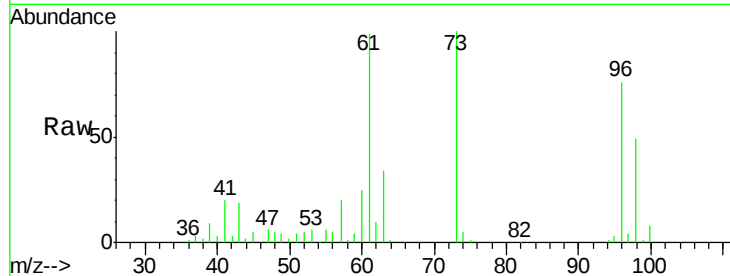
#19
Methvl tert-butvl Ether
Concen: 21.838 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW013349.D
Acq: 30 Sep 2019 23:56

Instrument :
MSVOA_W
ClientSampleId :
VW0930SBSD01

Tot Ion: 73 Resp: 85620
Ion Ratio Lower Upper
73 100
57 19.8 17.6 26.4

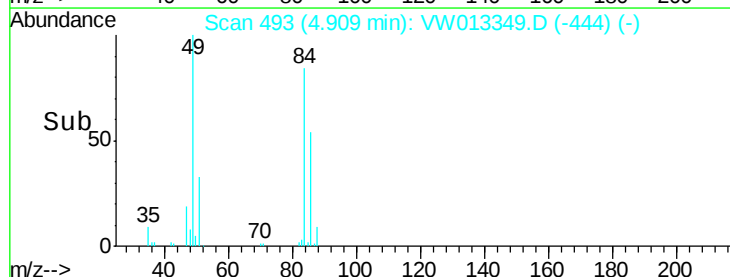
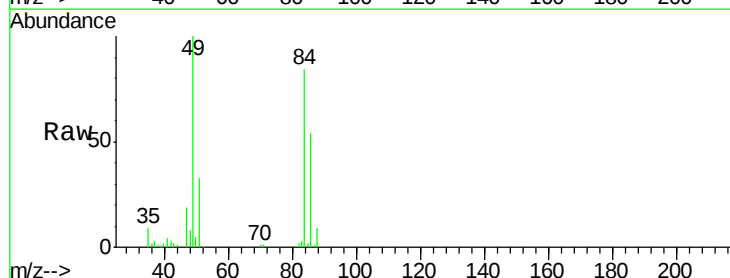
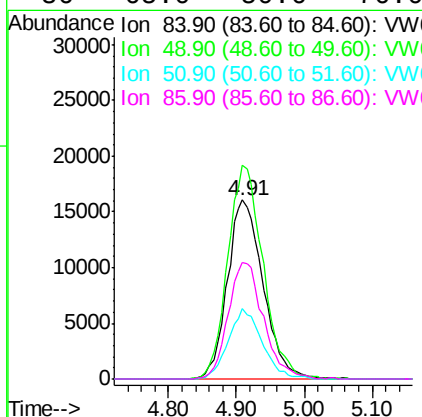
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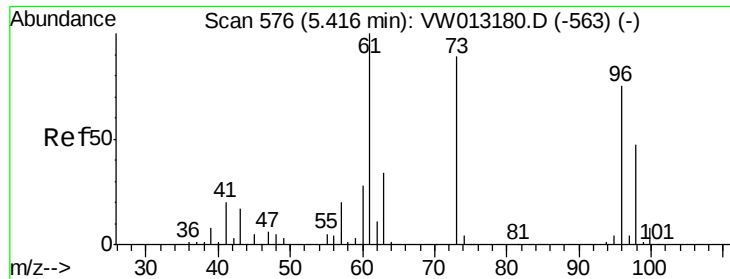
MMDadoda
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#20
Methylene Chloride
Concen: 20.889 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW013349.D
Acq: 30 Sep 2019 23:56

Tgt Ion: 84 Resp: 58506
Ion Ratio Lower Upper
84 100
49 119.2 97.6 146.4
51 39.3 30.2 45.2
86 65.0 50.6 76.0





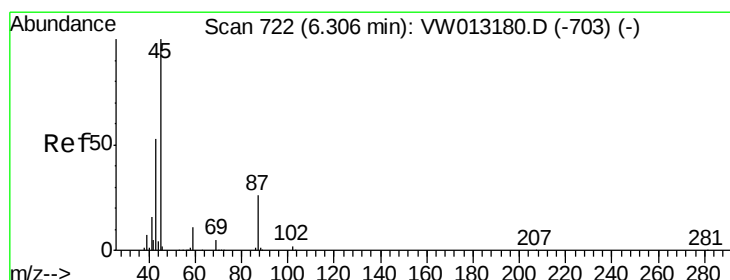
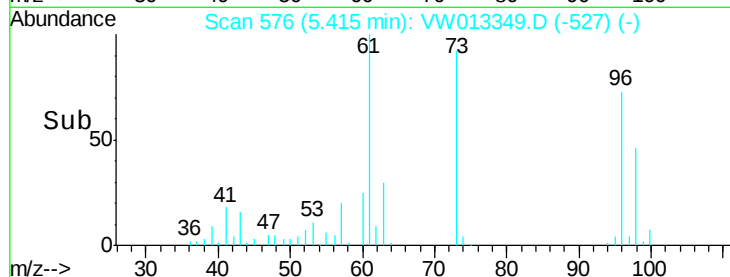
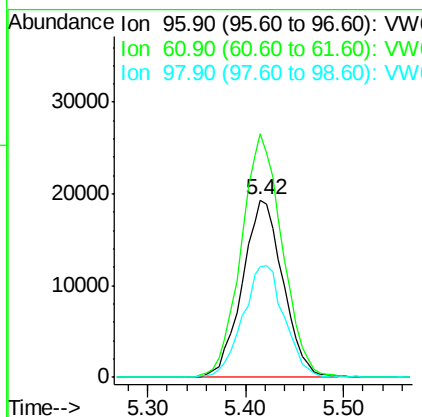
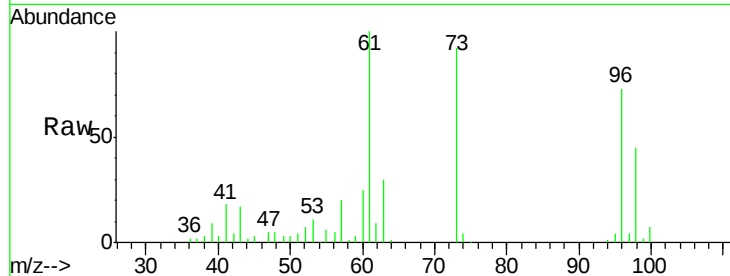
#21
trans-1,2-Dichloroethene
Concen: 20.128 ug/l
RT: 5.42 min Scan# 576
Delta R.T. -0.00 min
Lab File: VW013349.D
Acq: 30 Sep 2019 23:56

Instrument :
MSVOA_W
ClientSampleId :
VW0930SBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	137.1	106.6	159.8
98	62.2	49.8	74.8

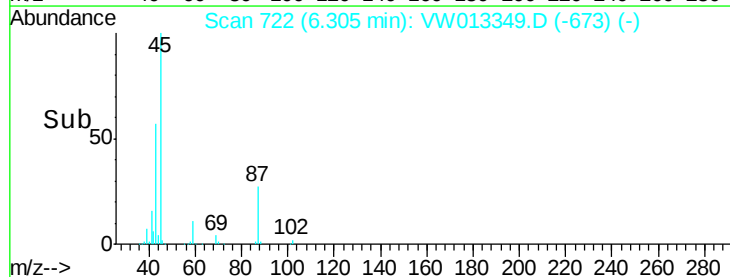
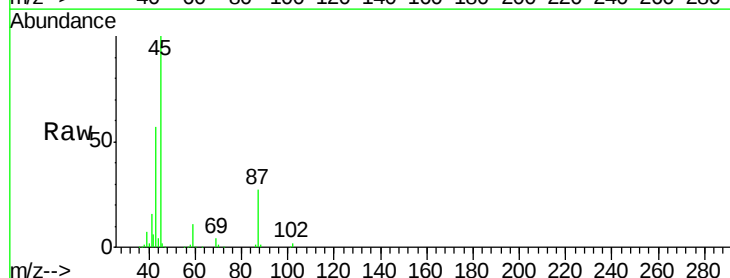
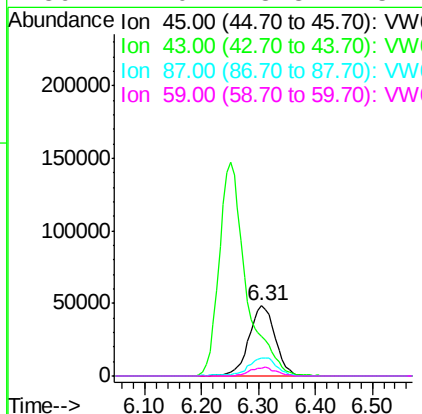
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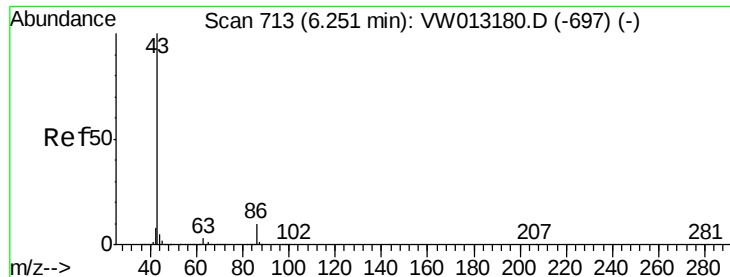
MMDadoda
10/1/2019 11:33:02 AM



#22
Diisopropyl ether
Concen: 20.113 ug/l
RT: 6.31 min Scan# 722
Delta R.T. -0.00 min
Lab File: VW013349.D
Acq: 30 Sep 2019 23:56

Tgt Ion	Ratio	Lower	Upper
45	100		
43	56.6	42.4	63.6
87	26.6	20.4	30.6
59	11.0	8.8	13.2





#23

Vinyl Acetate

Concen: 104.958 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW013349.D

Acq: 30 Sep 2019 23:56

Tot Ion: 43 Resp: 482057

Ion Ratio Lower Upper

43 100

86 11.5 8.3 12.5

Instrument :

MSVOA_W

ClientSampleId :

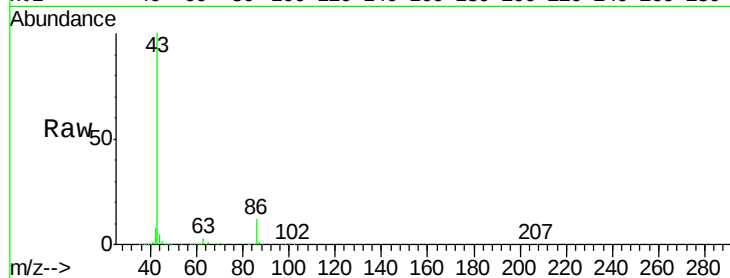
VW0930SBS01

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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

6.25

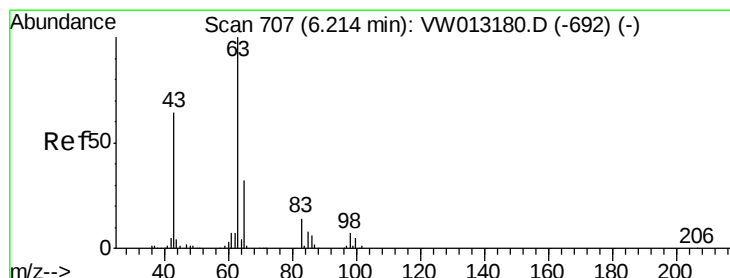
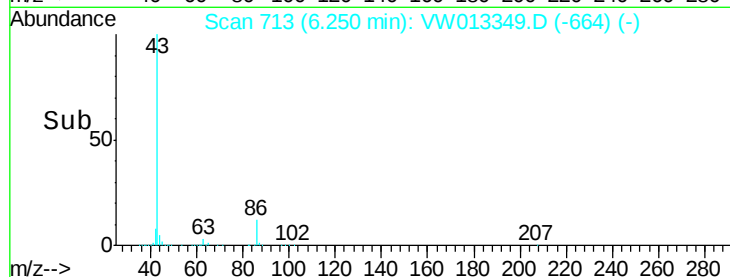
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 20.240 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW013349.D

Acq: 30 Sep 2019 23:56

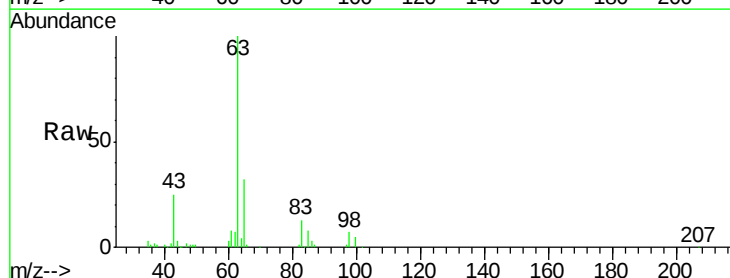
Tgt Ion: 63 Resp: 94555

Ion Ratio Lower Upper

63 100

98 7.2 3.5 10.5

100 4.6 2.4 7.1



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW

6.21

40000

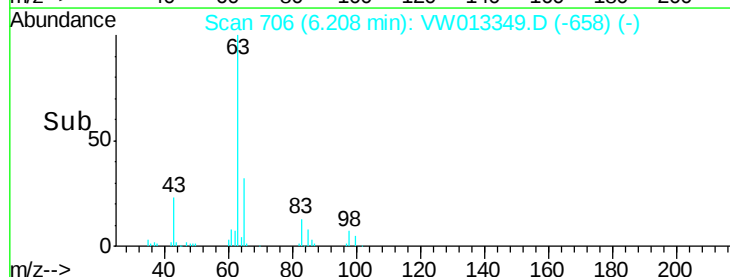
30000

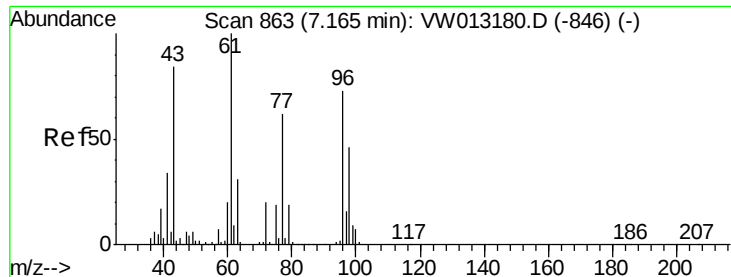
20000

10000

0

Time-->





#25

2-Butanone

Concen: 125.705 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW013349.D

Acq: 30 Sep 2019 23:56

Instrument :

MSVOA_W

ClientSampleId :

VW0930SBSD01

Tot Ion: 43 Resp: 95603

Ion Ratio Lower Upper

43 100

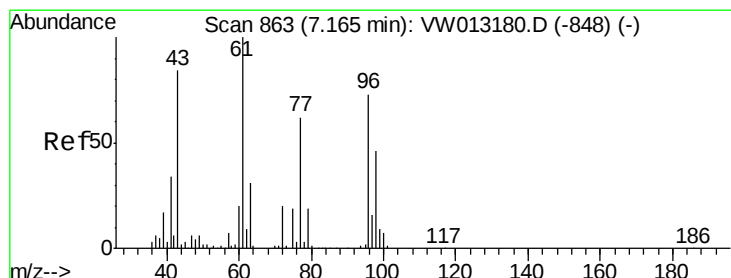
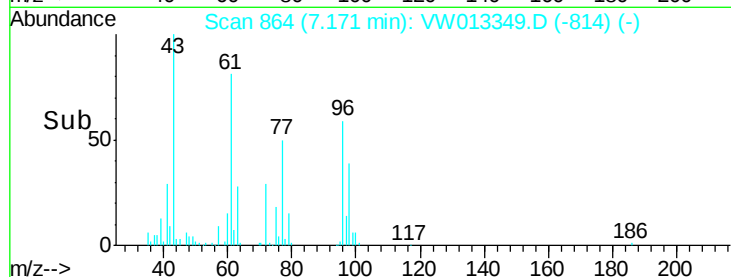
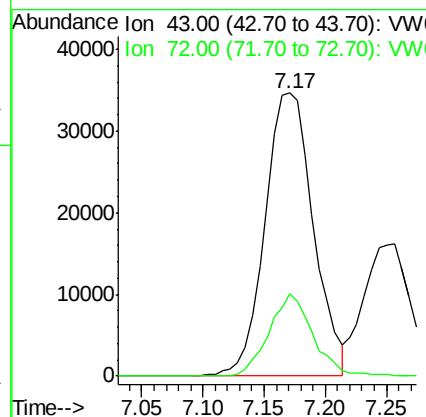
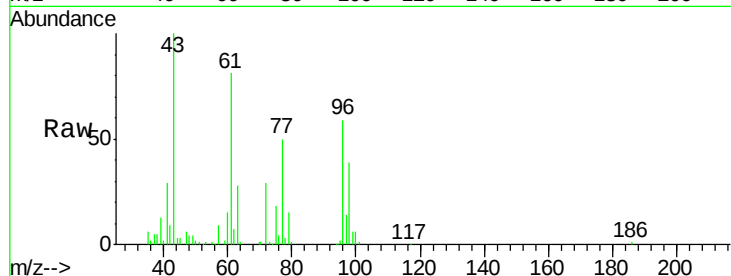
72 29.2 19.4 29.0#

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 18.222 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW013349.D

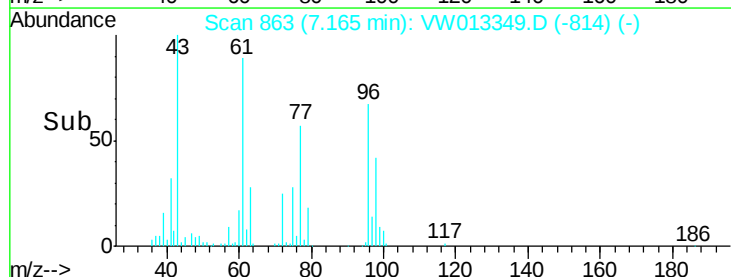
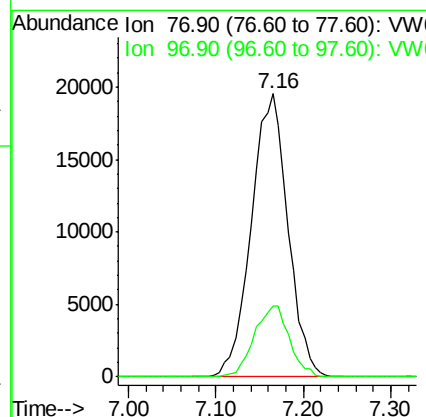
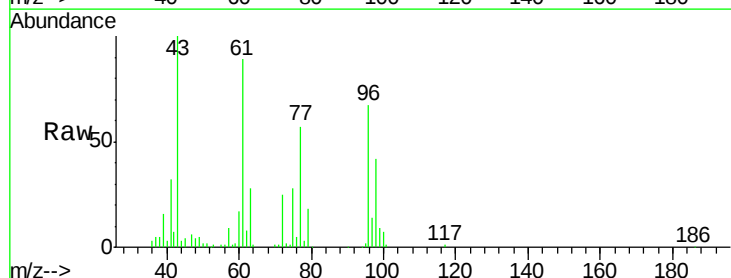
Acq: 30 Sep 2019 23:56

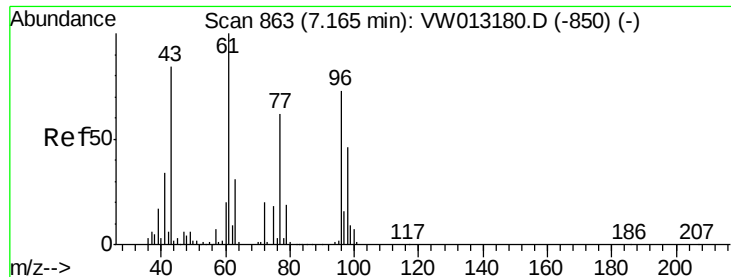
Tgt Ion: 77 Resp: 56853

Ion Ratio Lower Upper

77 100

97 24.2 11.8 35.4





#27

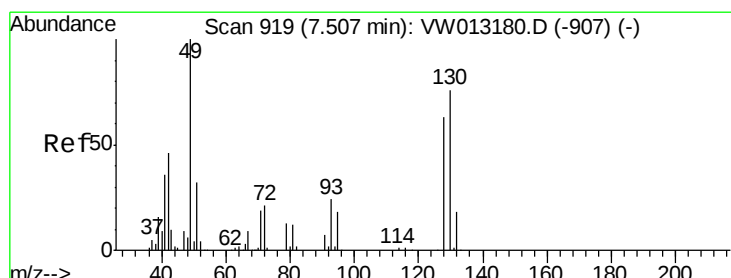
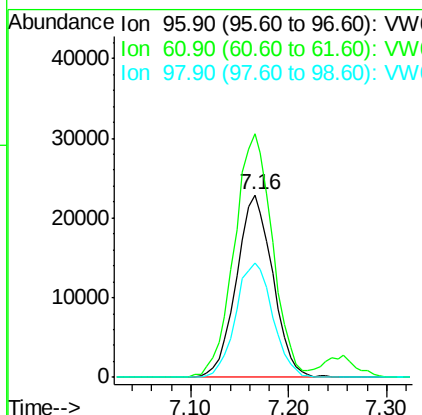
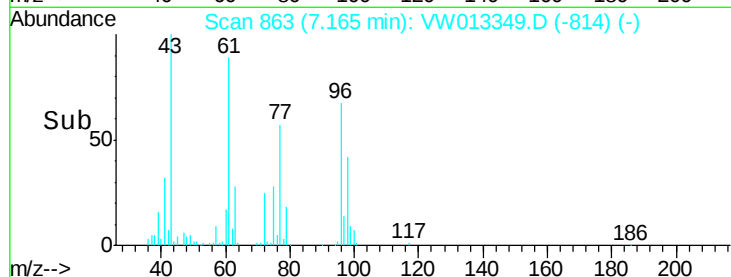
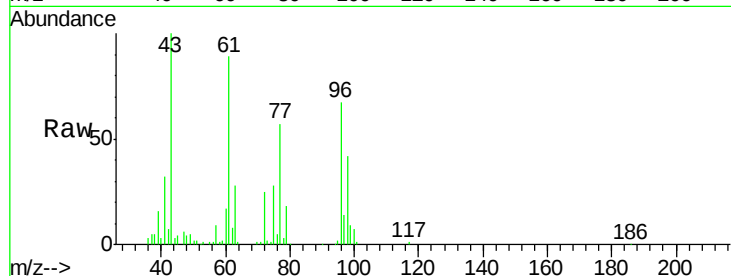
cis-1,2-Dichloroethene
Concen: 20.134 ug/l
RT: 7.16 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW013349.D
Acq: 30 Sep 2019 23:56

Instrument :
MSVOA_W
ClientSampleId :
VW0930SBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	140.8	0.0	282.4
98	64.2	0.0	128.2

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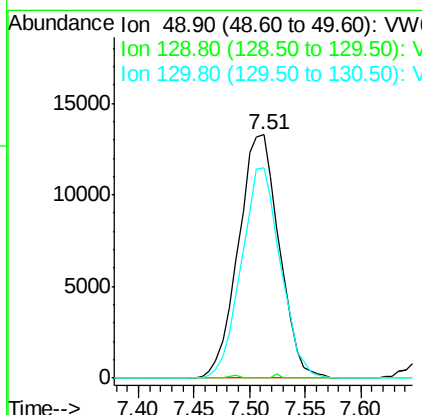
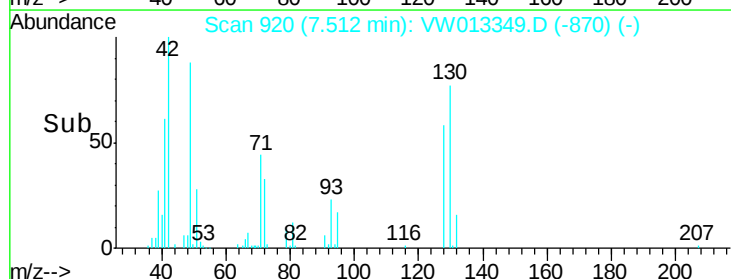
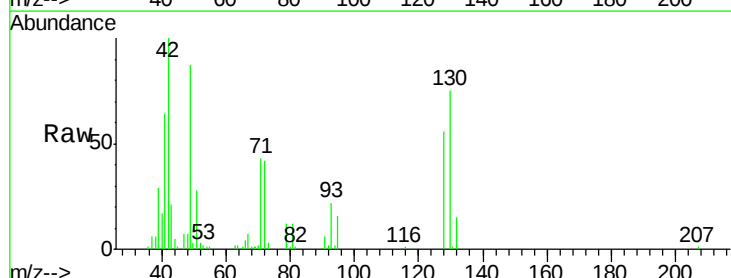
MMDadoda
10/1/2019 11:33:02 AM



#28

Bromochloromethane
Concen: 18.885 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.01 min
Lab File: VW013349.D
Acq: 30 Sep 2019 23:56

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.2	0.0	1.0
130	82.8	63.4	95.2





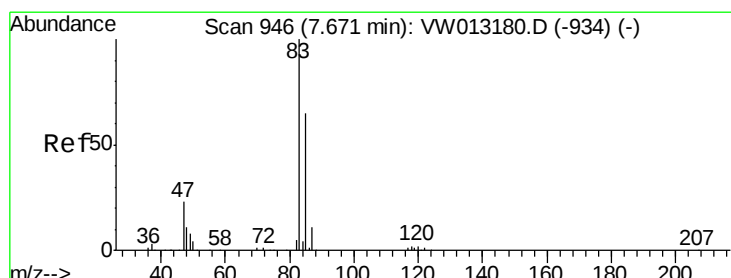
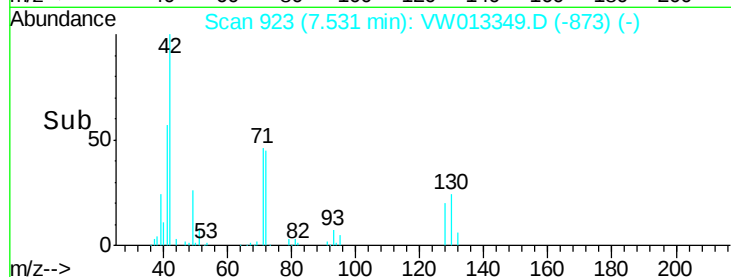
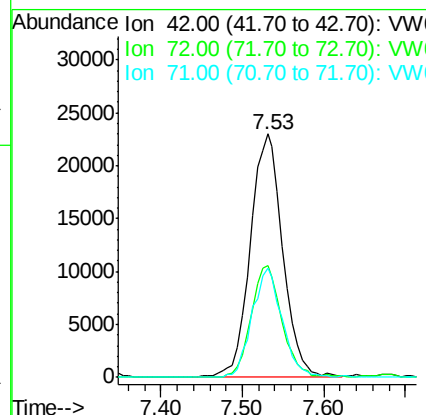
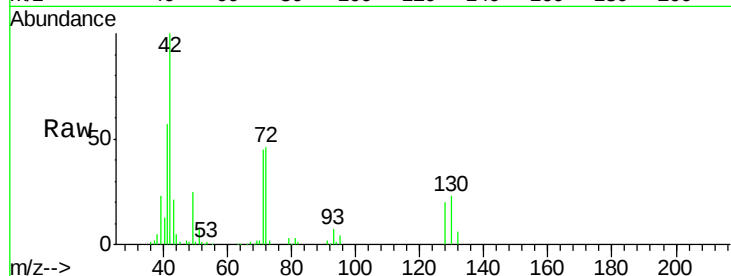
#29
Tetrahydrofuran
Concen: 136.688 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.01 min
Lab File: VW013349.D
Acq: 30 Sep 2019 23:56

Instrument :
MSVOA_W
ClientSampleId :
VW0930SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.2	33.9	50.9
71	41.7	31.9	47.9

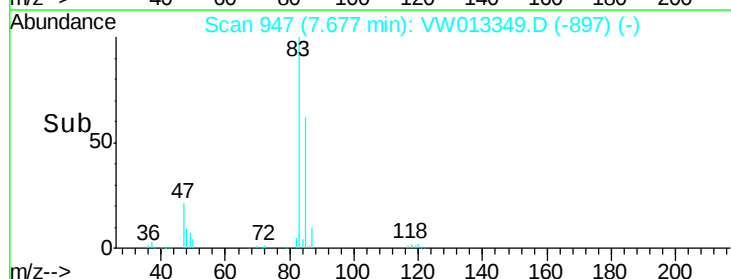
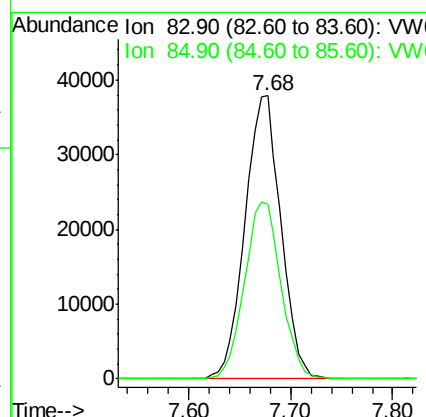
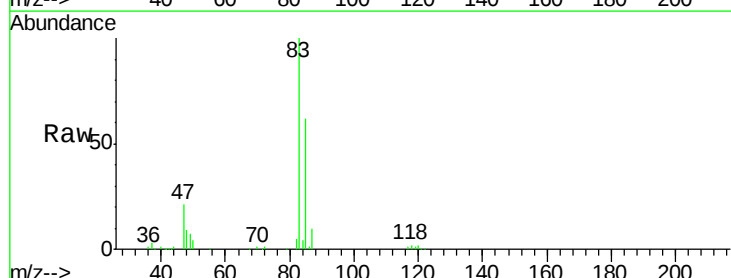
Manual Integrations
APPROVED

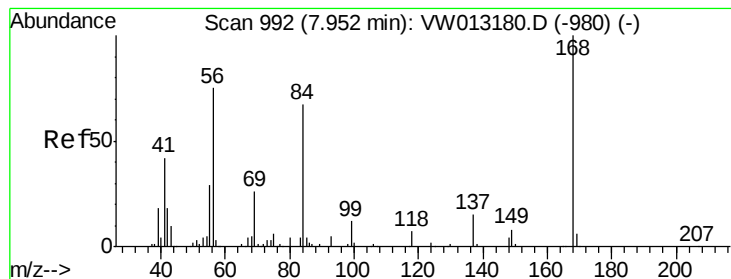
MMDadoda
10/1/2019 11:33:02 AM



#30
Chloroform
Concen: 20.282 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.01 min
Lab File: VW013349.D
Acq: 30 Sep 2019 23:56

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.9	52.3	78.5





#31

Cyclohexane

Concen: 21.046 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW013349.D

Acq: 30 Sep 2019 23:56

Instrument :

MSVOA_W

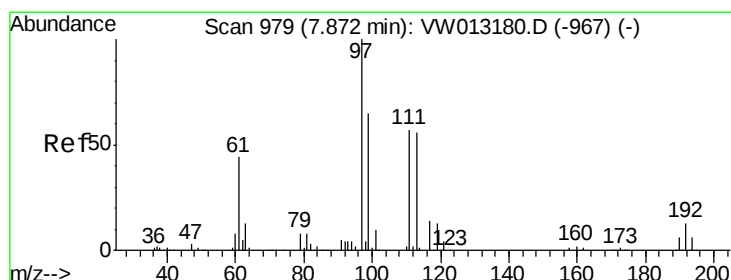
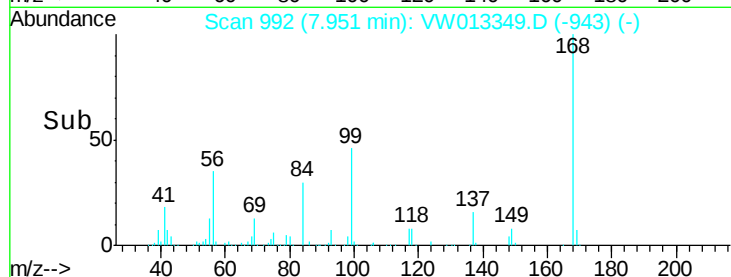
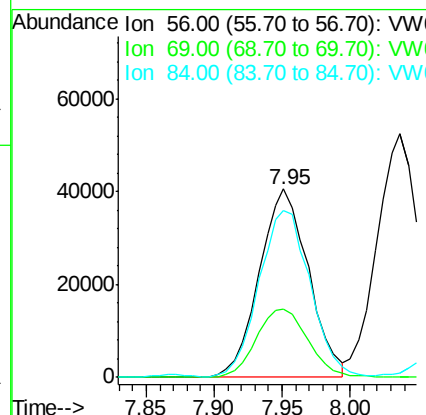
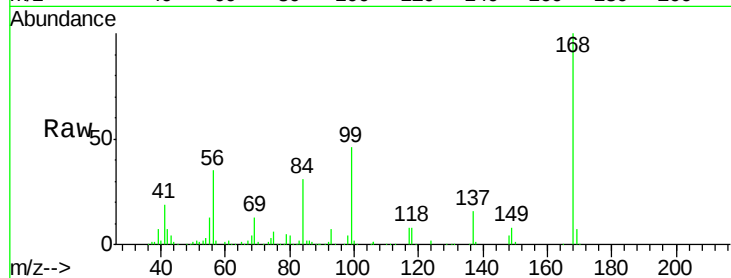
ClientSampleID :

VW0930SBS01

Tot Ion:	56	Resp:	102487
Ion Ratio	Lower	Upper	
56	100		
69	36.4	27.2	40.8
84	87.8	70.8	106.2

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 20.861 ug/l

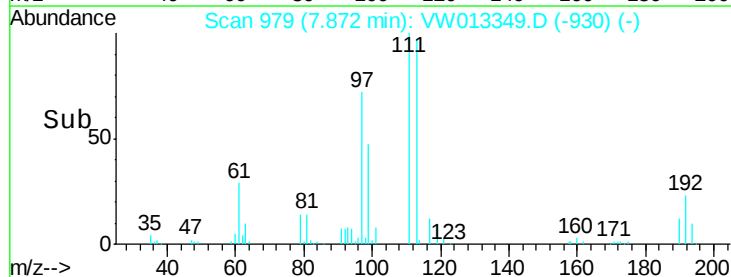
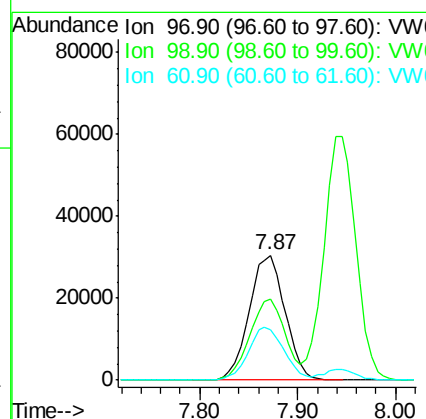
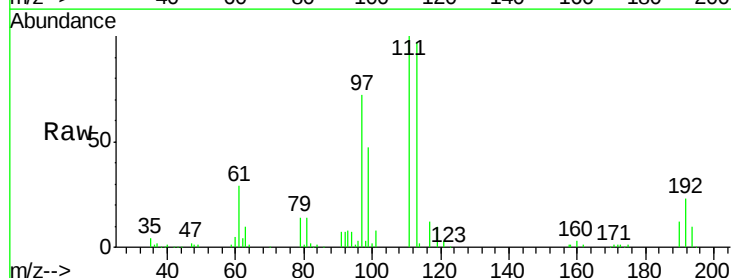
RT: 7.87 min Scan# 979

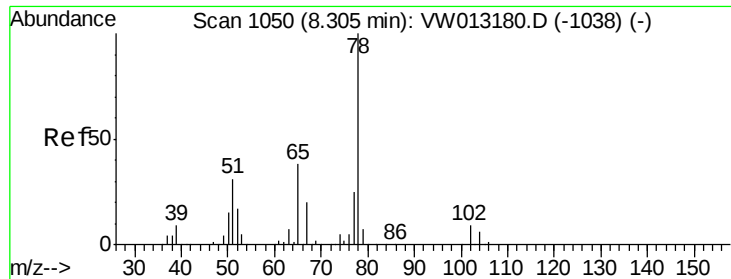
Delta R.T. -0.00 min

Lab File: VW013349.D

Acq: 30 Sep 2019 23:56

Tgt Ion:	97	Resp:	77276
Ion Ratio	Lower	Upper	
97	100		
99	64.5	51.7	77.5
61	42.4	34.6	51.8





#33

1,2-Dichloroethane-d4

Concen: 54.168 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW013349.D

Acq: 30 Sep 2019 23:56

Instrument :

MSVOA_W

ClientSampleId :

VW0930SBSD01

Tot Ion: 65 Resp: 121693

Ion Ratio Lower Upper

65 100

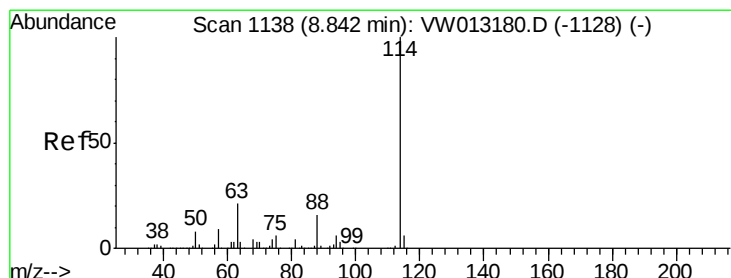
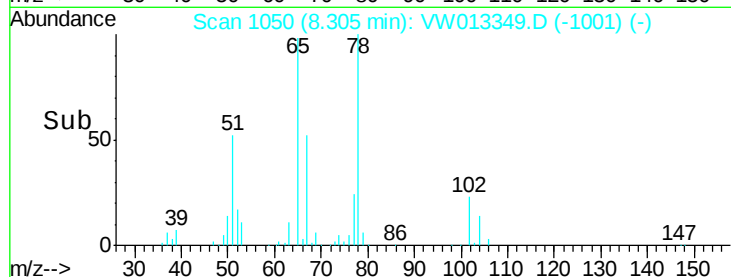
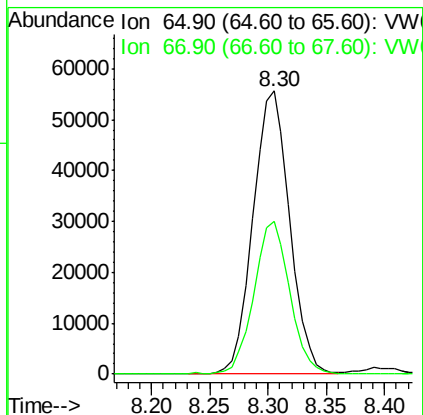
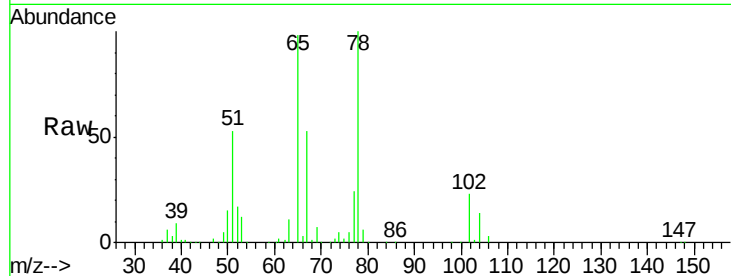
67 52.6 0.0 106.2

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW013349.D

Acq: 30 Sep 2019 23:56

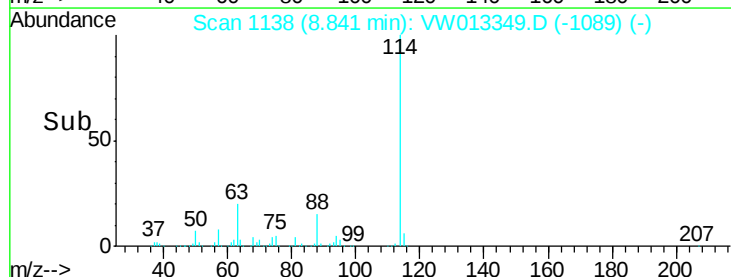
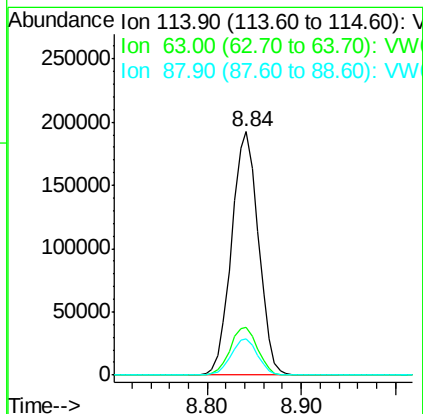
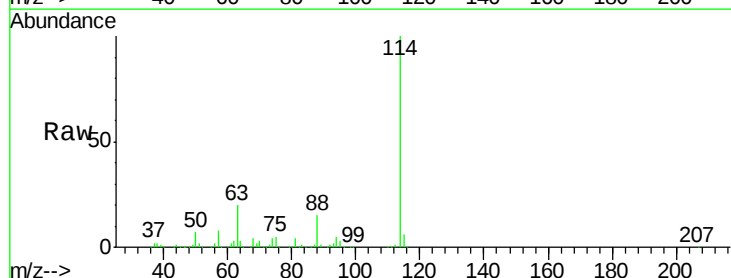
Tgt Ion: 114 Resp: 381096

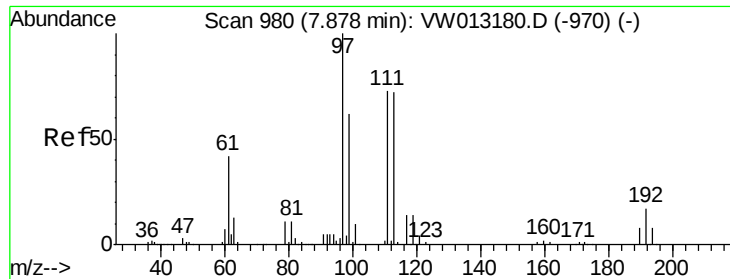
Ion Ratio Lower Upper

114 100

63 19.8 0.0 41.4

88 15.2 0.0 32.0





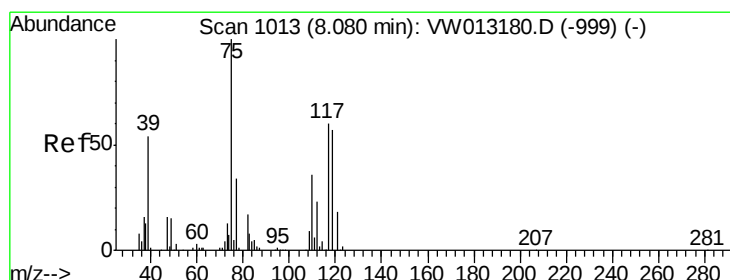
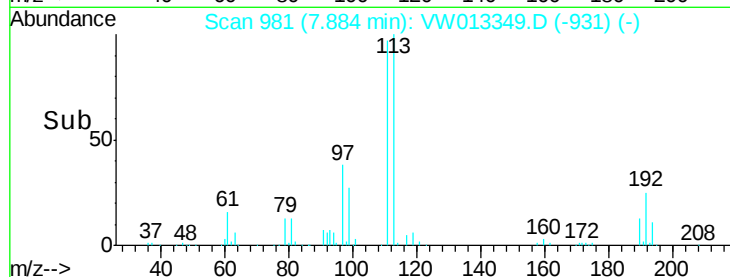
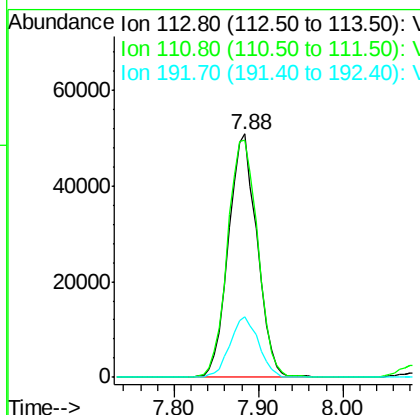
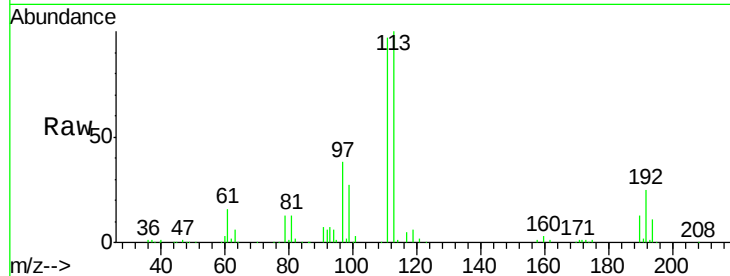
#35
 Dibromofluoromethane
 Concen: 55.977 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.01 min
 Lab File: VW013349.D
 Acq: 30 Sep 2019 23:56

Instrument :
 MSVOA_W
 ClientSampled :
 VW0930SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	117329		
111	103.0		81.9	122.9
192	24.7		19.1	28.7

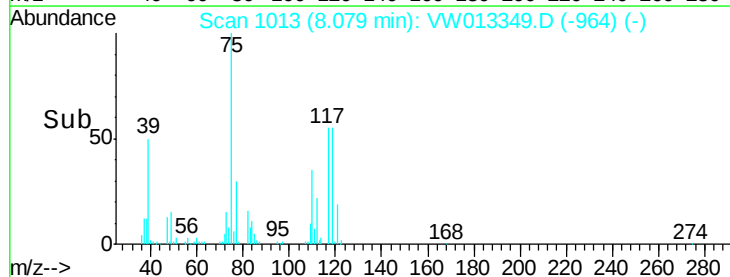
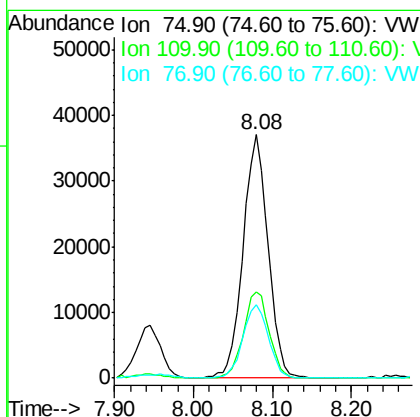
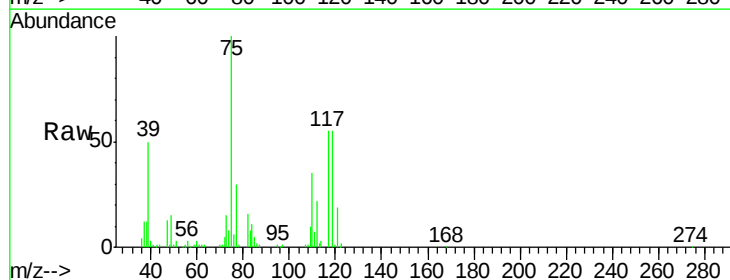
Manual Integrations
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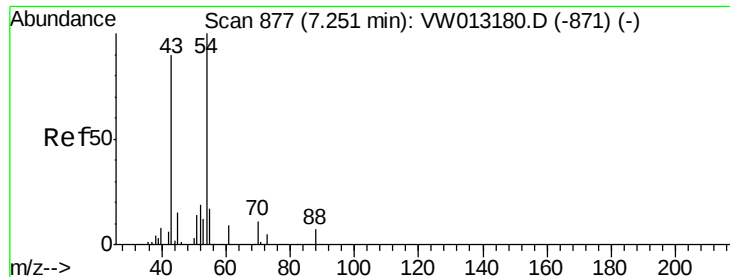
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#36
 1,1-Dichloropropene
 Concen: 22.101 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW013349.D
 Acq: 30 Sep 2019 23:56

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	81577		
110	36.2		18.1	54.3
77	31.2		25.8	38.6





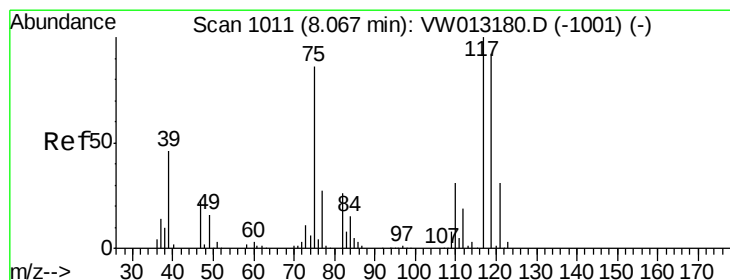
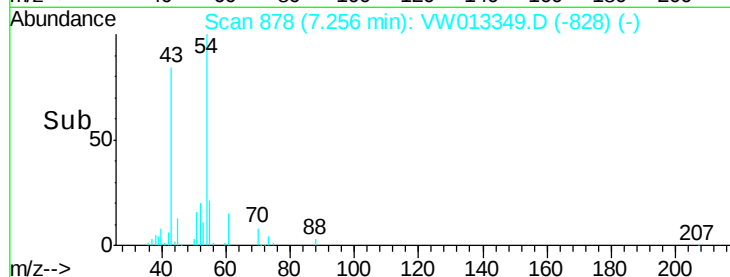
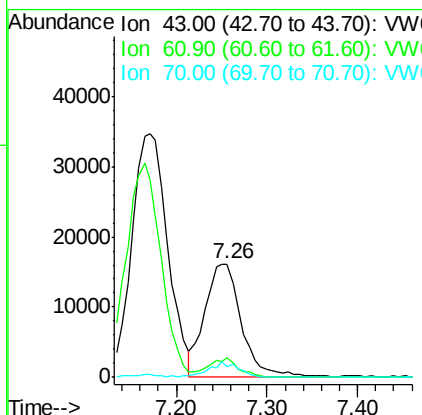
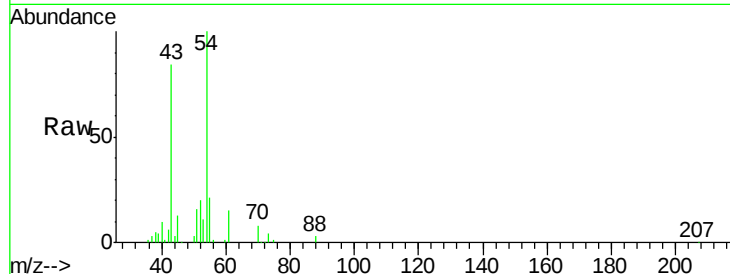
#37
Ethyl Acetate
Concen: 29.018 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.01 min
Lab File: VW013349.D
Acq: 30 Sep 2019 23:56

Instrument :
MSVOA_W
ClientSampleId :
VW0930SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.1	10.9	16.3
70	11.3	8.2	12.2

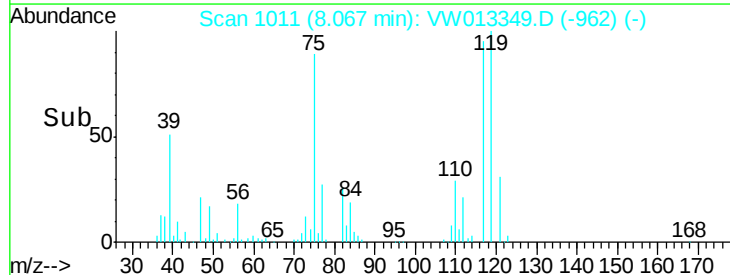
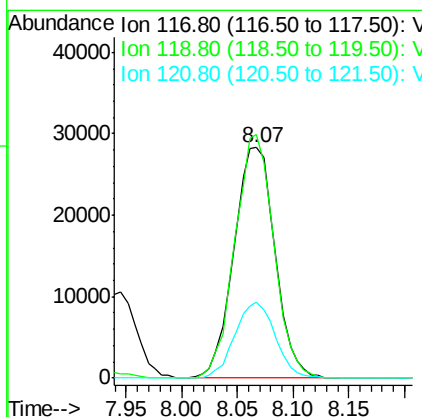
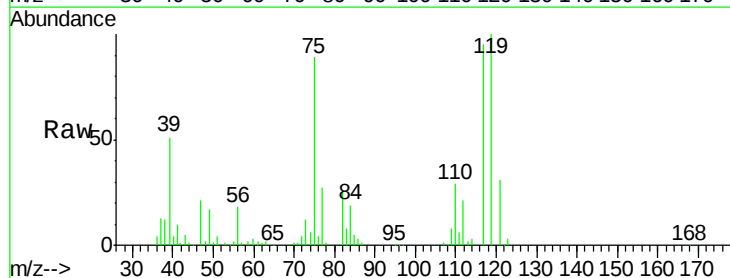
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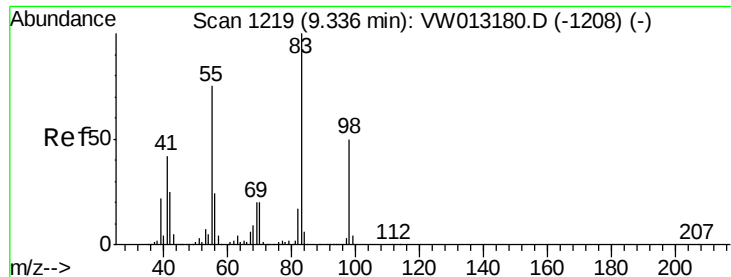
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#38
Carbon Tetrachloride
Concen: 21.934 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW013349.D
Acq: 30 Sep 2019 23:56

Tgt Ion	Ratio	Lower	Upper
117	100		
119	105.6	73.5	110.3
121	33.0	25.0	37.6





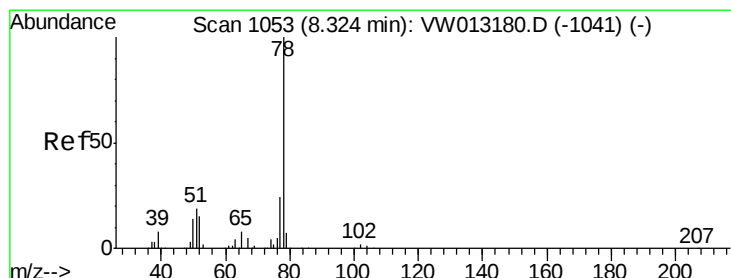
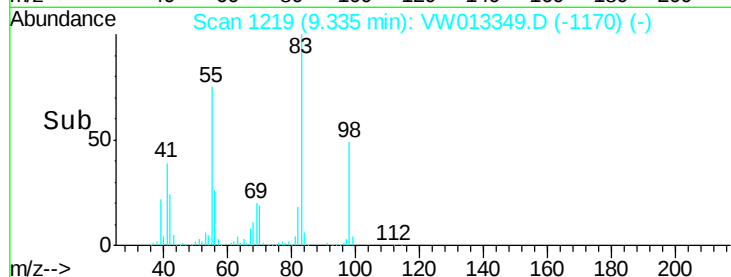
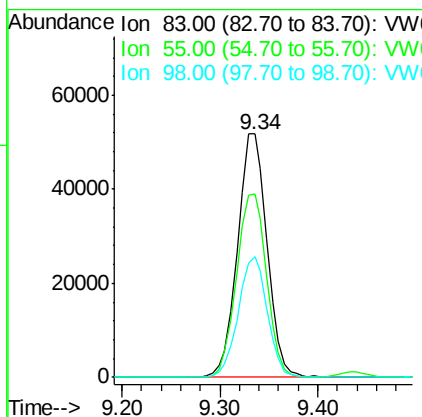
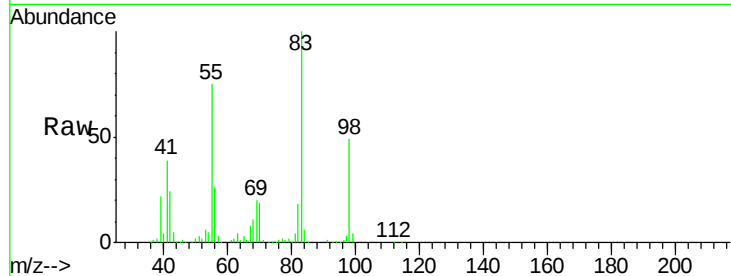
#39
Methvlcvclohexane
Concen: 22.837 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW013349.D
Acq: 30 Sep 2019 23:56

Instrument :
MSVOA_W
ClientSampleId :
VW0930SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	108327		
55	75.4		60.4	90.6
98	49.3		40.0	60.0

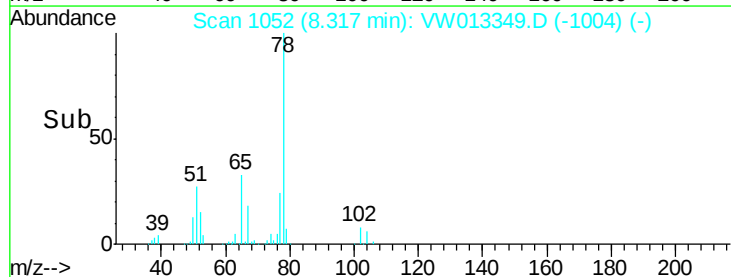
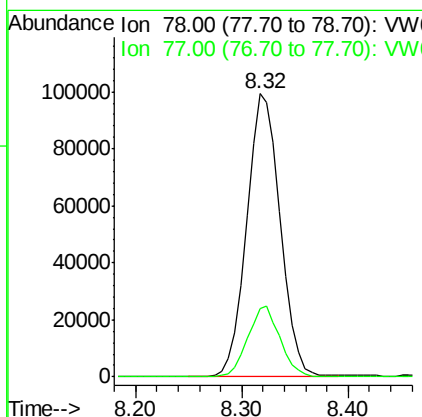
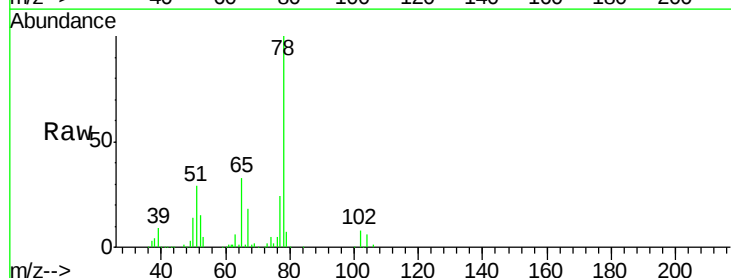
Manual Integrations
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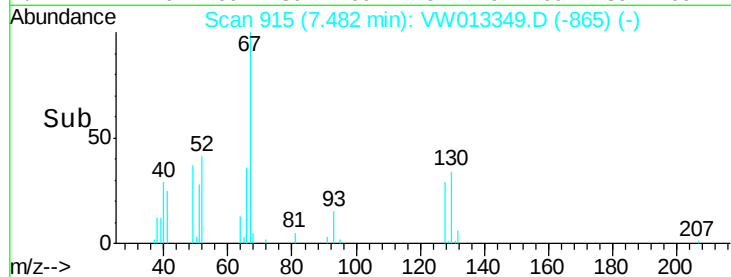
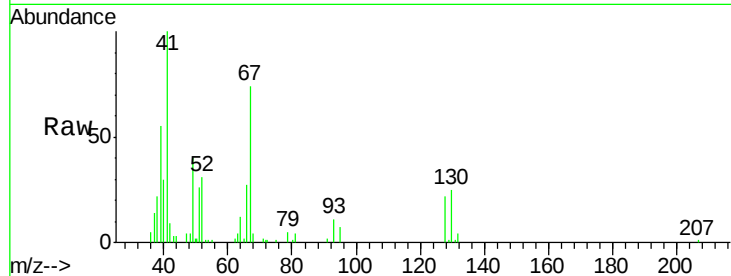
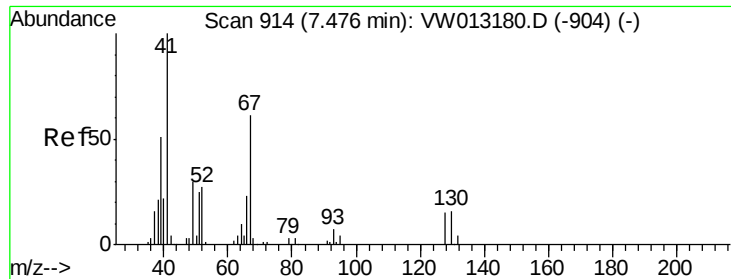
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#40
Benzene
Concen: 21.345 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW013349.D
Acq: 30 Sep 2019 23:56

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	219763		
77	24.0		19.1	28.7





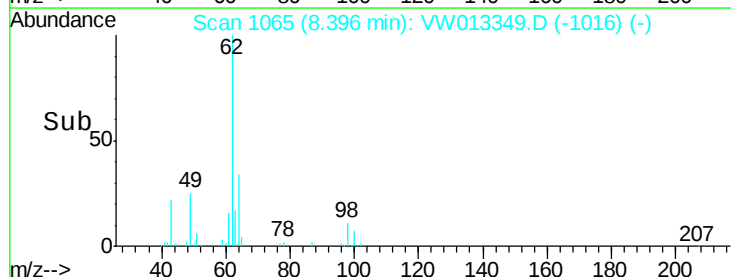
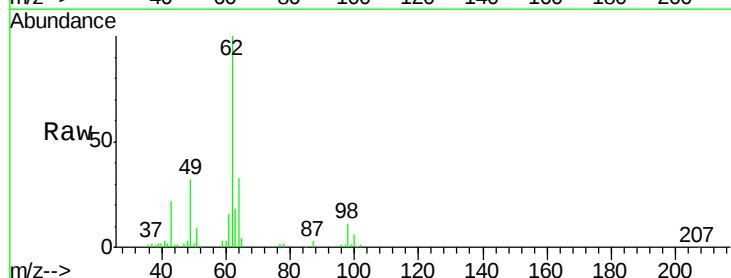
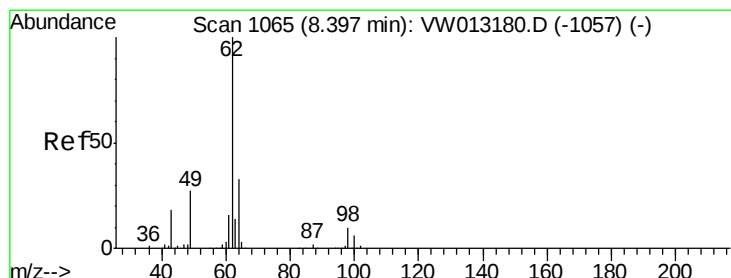
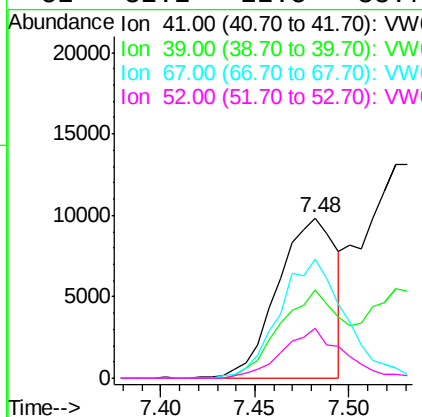
#41
Methacrylonitrile
Concen: 22.761 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.01 min
Lab File: VW013349.D
Acq: 30 Sep 2019 23:56

Tot Ion	Ratio	Resp	Lower	Upper
41	100	21311		
39	57.1		45.9	68.9
67	83.5		54.5	81.7#
52	32.2		22.5	33.7

Instrument :
MSVOA_W
ClientSampleId :
VW0930SBSD01

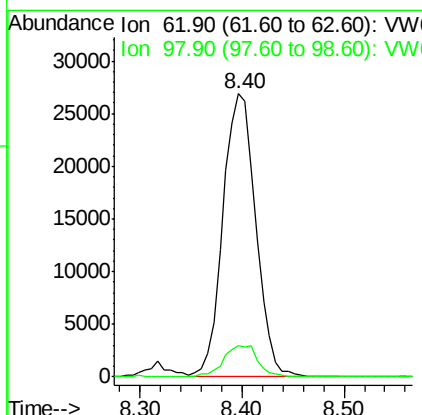
Manual Integrations
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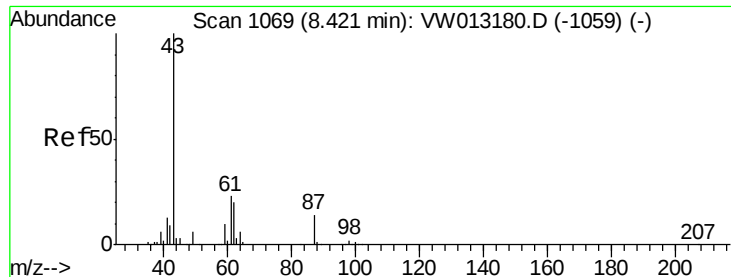
MMDadoda
10/1/2019 11:33:02 AM



#42
1,2-Dichloroethane
Concen: 21.735 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW013349.D
Acq: 30 Sep 2019 23:56

Tgt Ion	Ratio	Resp	Lower	Upper
62	100	60155		
98	11.4		0.0	20.6





#43

Isopropyl Acetate

Concen: 25.024 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW013349.D

Acq: 30 Sep 2019 23:56

Instrument :

MSVOA_W

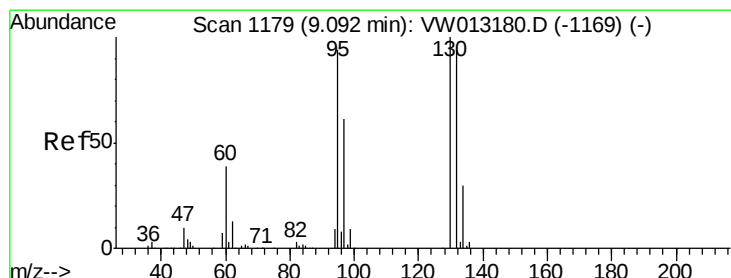
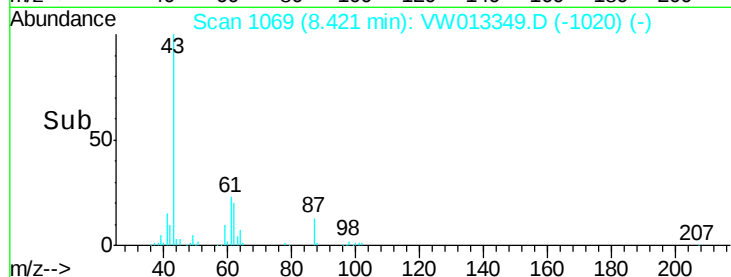
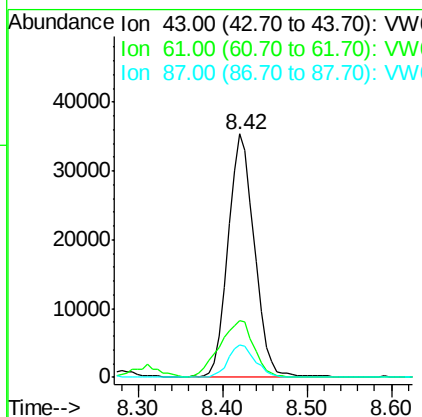
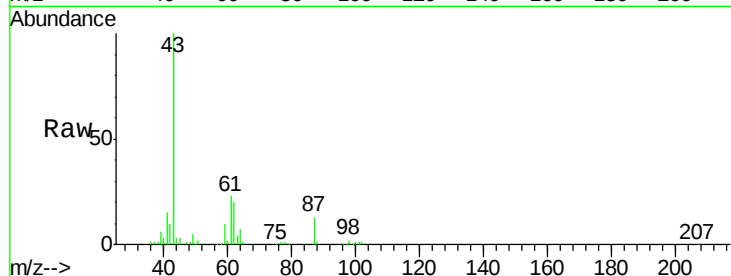
ClientSampleId :

VW0930SBS01

Tot Ion:	43	Resp:	75239
Ion	Ratio	Lower	Upper
43	100		
61	30.7	25.5	38.3
87	13.7	11.0	16.4

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#44

Trichloroethene

Concen: 22.119 ug/l

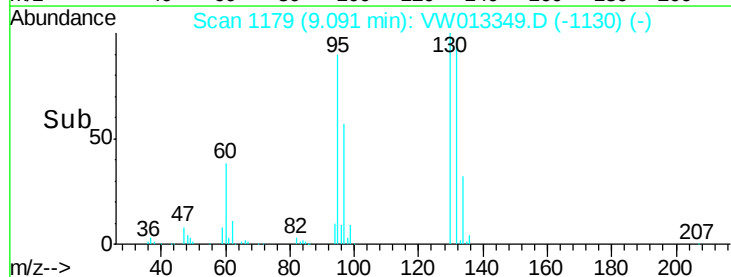
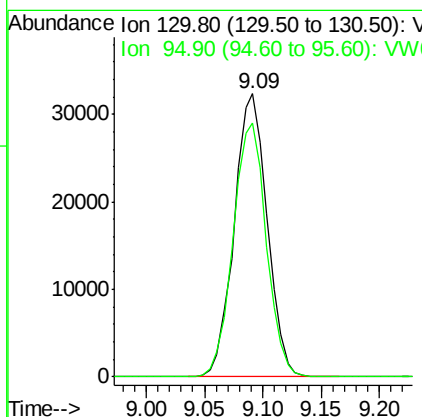
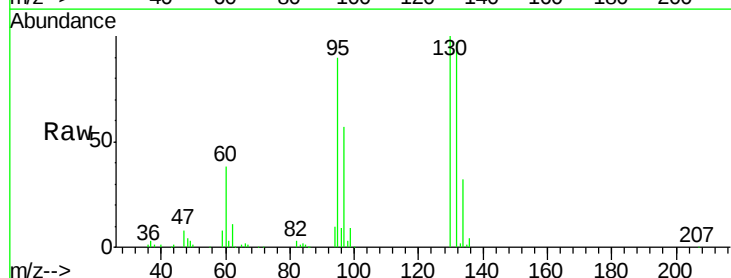
RT: 9.09 min Scan# 1179

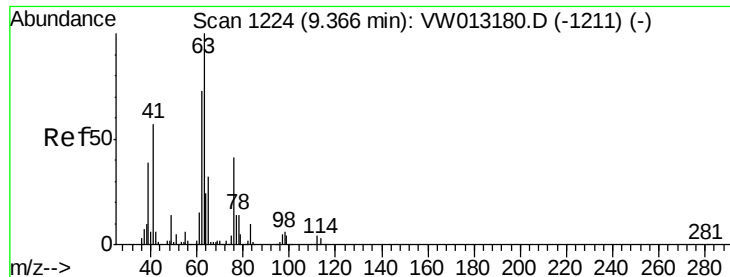
Delta R.T. -0.00 min

Lab File: VW013349.D

Acq: 30 Sep 2019 23:56

Tgt Ion:	130	Resp:	63894
Ion	Ratio	Lower	Upper
130	100		
95	89.7	0.0	188.0





#45

1,2-Dichloropropane

Concen: 20.992 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW013349.D

Acq: 30 Sep 2019 23:56

Instrument :

MSVOA_W

ClientSampleId :

VW0930SBS01

Tot Ion: 63 Resp: 52766

Ion Ratio Lower Upper

63 100

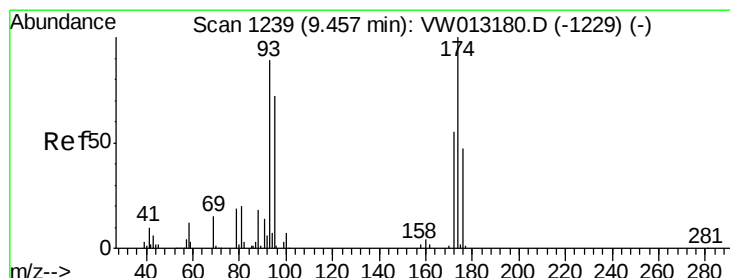
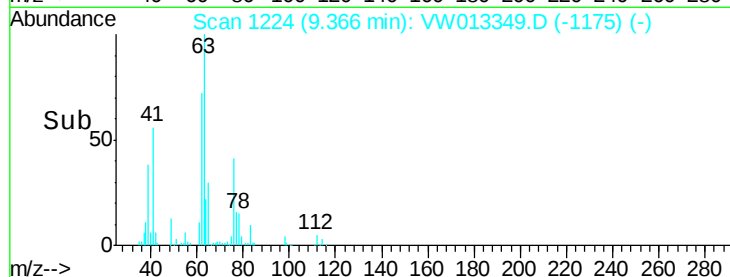
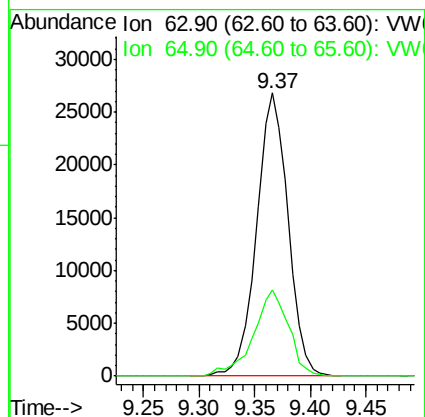
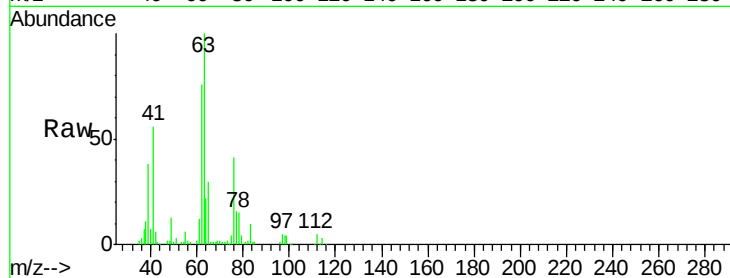
65 30.4 25.3 37.9

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#46

Dibromomethane

Concen: 23.268 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW013349.D

Acq: 30 Sep 2019 23:56

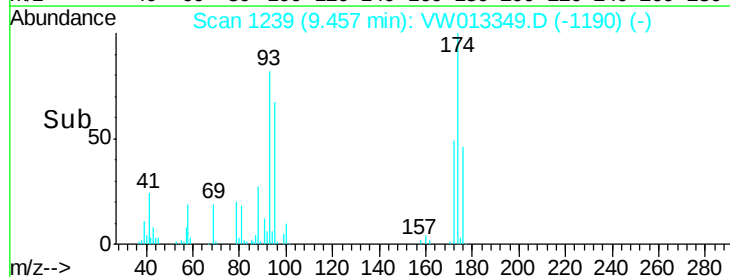
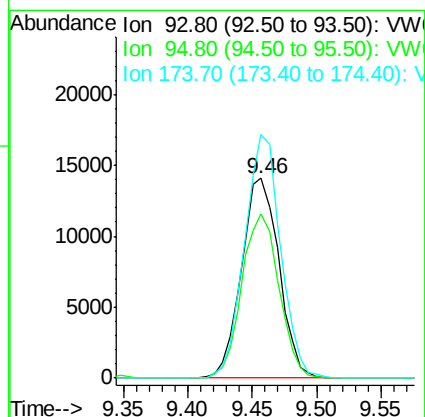
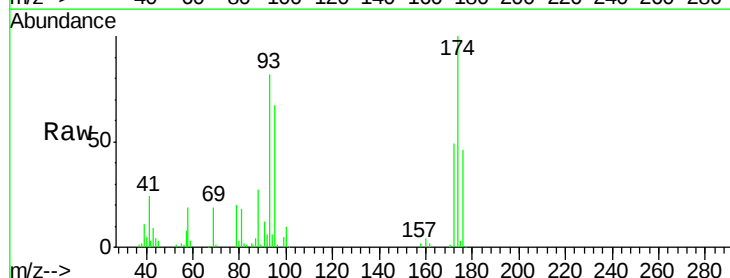
Tgt Ion: 93 Resp: 28396

Ion Ratio Lower Upper

93 100

95 81.4 66.4 99.6

174 116.6 93.0 139.6





#47

Bromodichloromethane

Concen: 21.217 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VW013349.D

Acq: 30 Sep 2019 23:56

Instrument :

MSVOA_W

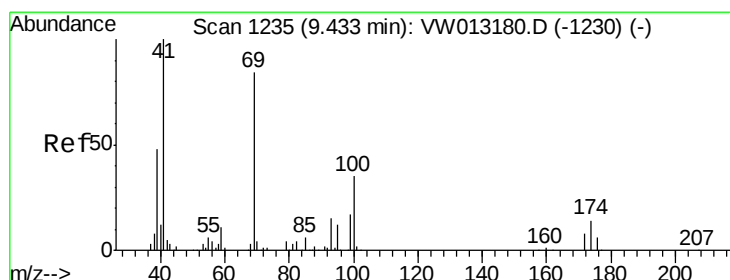
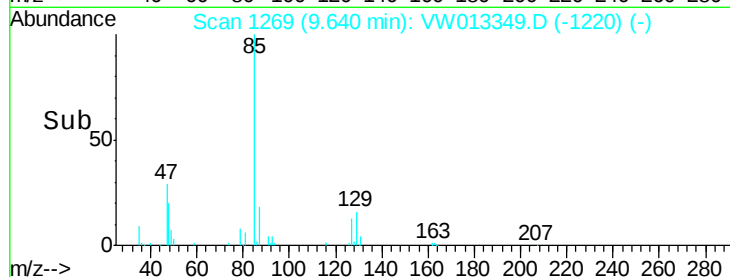
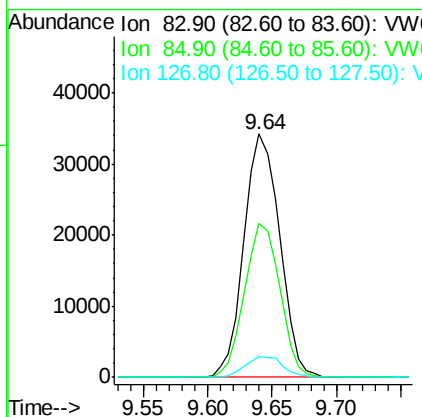
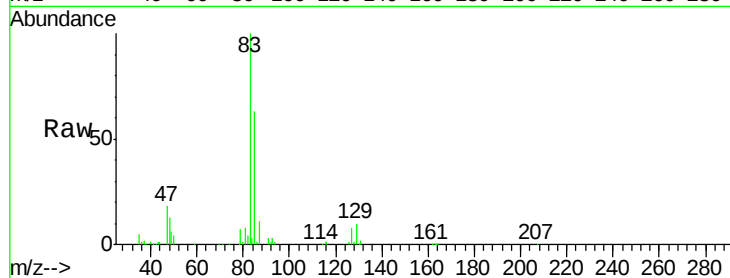
ClientSampleId :

VW0930SBSD01

Tot Ion:	83	Resp:	65883
Ion	Ratio	Lower	Upper
83	100		
85	63.1	49.4	74.2
127	8.5	6.5	9.7

Manual Integrations
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#48

Methyl methacrylate

Concen: 26.436 ug/l

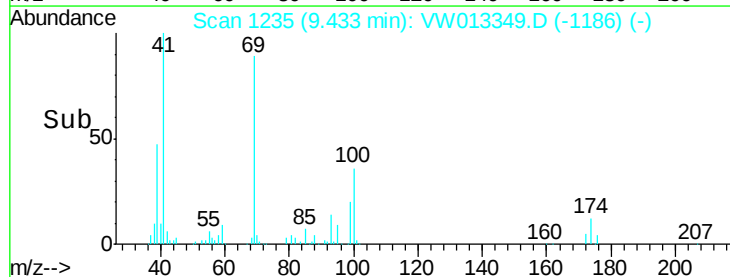
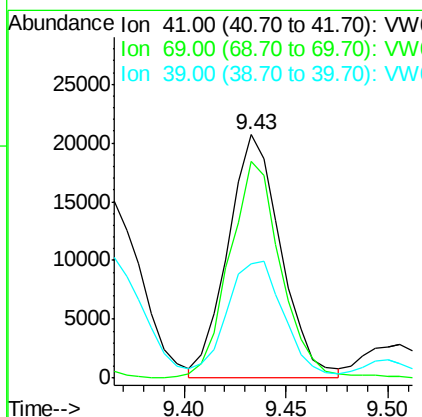
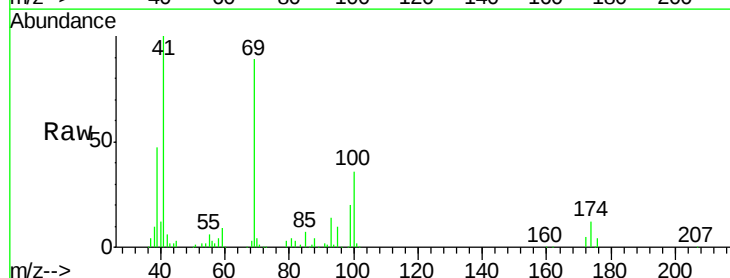
RT: 9.43 min Scan# 1235

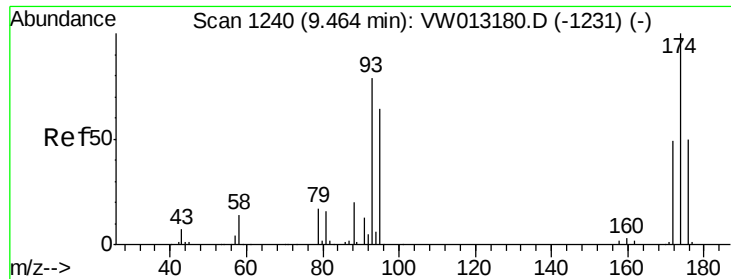
Delta R.T. -0.00 min

Lab File: VW013349.D

Acq: 30 Sep 2019 23:56

Tgt Ion:	41	Resp:	37375
Ion	Ratio	Lower	Upper
41	100		
69	87.1	69.7	104.5
39	47.7	41.1	61.7





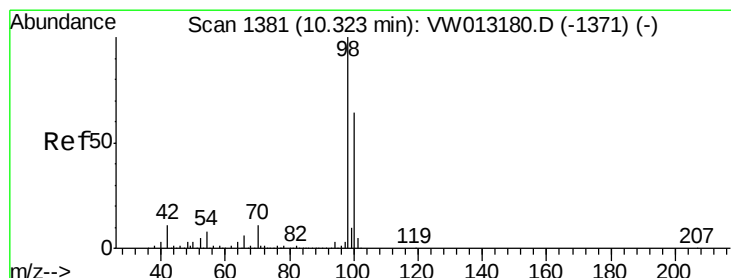
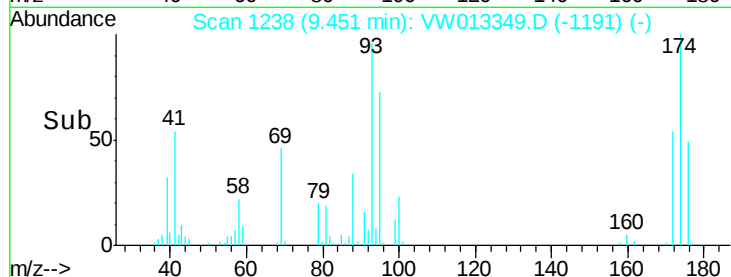
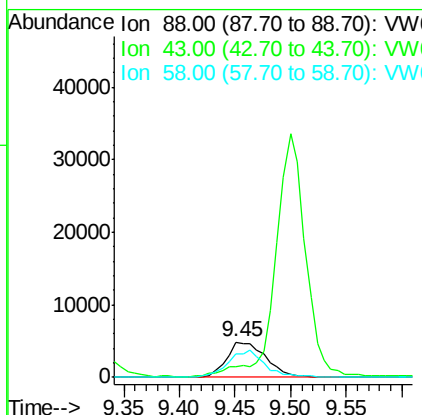
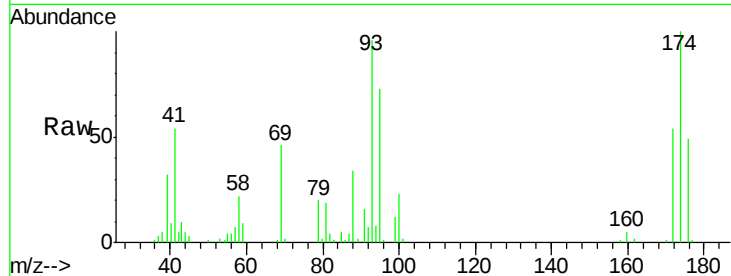
#49
1,4-Dioxane
Concen: 645.413 ug/l
RT: 9.45 min Scan# 1238
Delta R.T. -0.01 min
Lab File: VW013349.D
Acq: 30 Sep 2019 23:56

Instrument :
MSVOA_W
ClientSampleId :
VW0930SBSD01

Tot Ion	88	Resp	11823
Ion	Ratio	Lower	Upper
88	100		
43	0.0	0.0	0.0
58	72.5	65.4	98.0

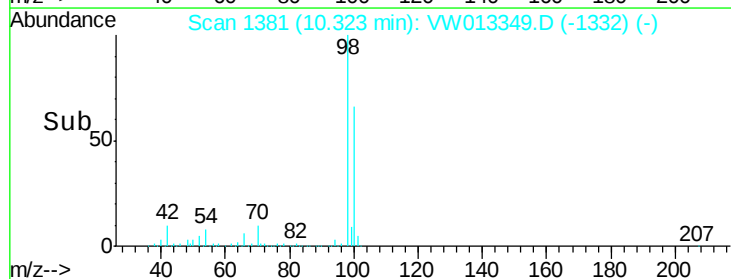
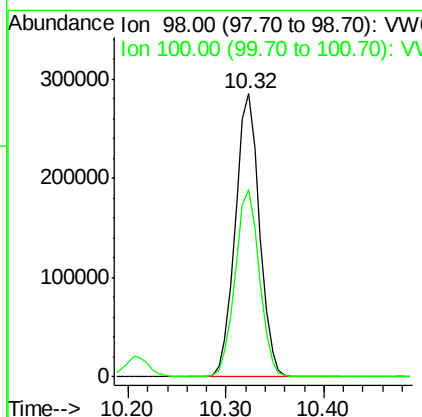
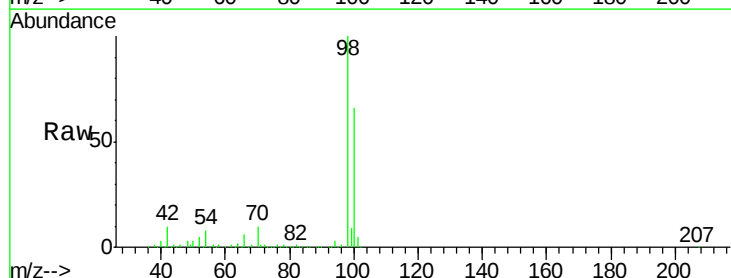
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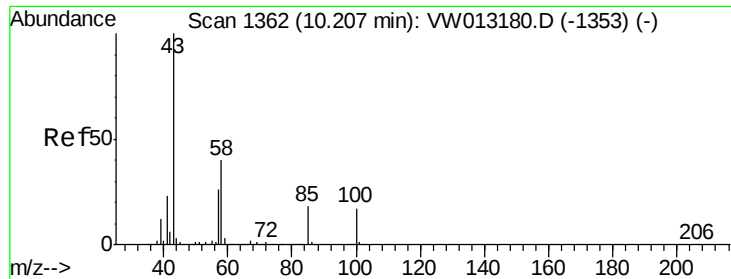
MMDadoda
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#50
Toluene-d8
Concen: 55.753 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW013349.D
Acq: 30 Sep 2019 23:56

Tgt Ion	98	Resp	489070
Ion	Ratio	Lower	Upper
98	100		
100	66.3	52.9	79.3





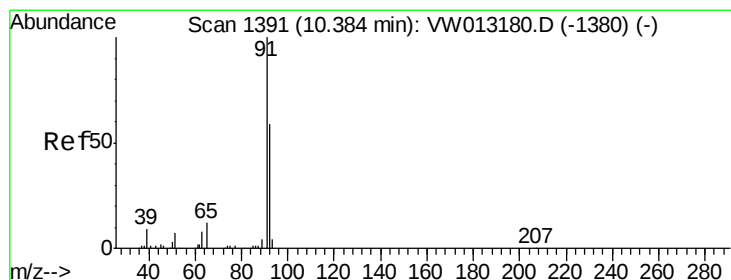
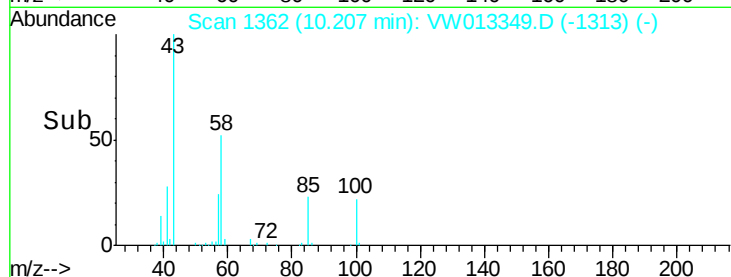
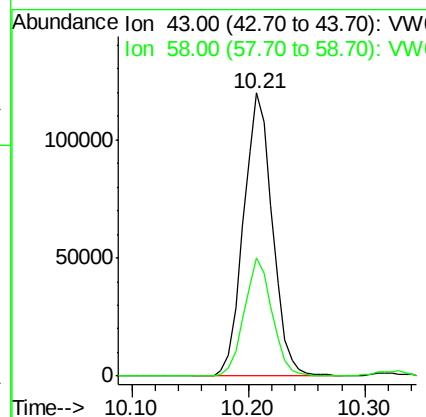
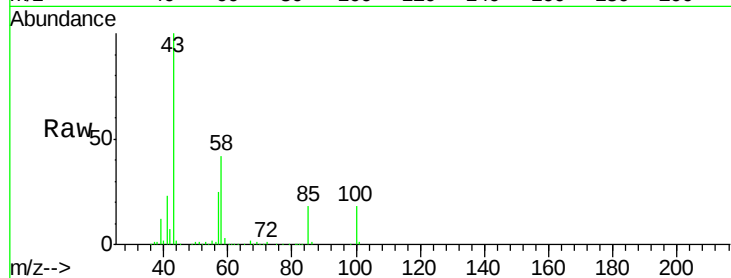
#51
4-Methyl-2-Pentanone
Concen: 137.242 ug/l
RT: 10.21 min Scan# 1362
Delta R.T. -0.00 min
Lab File: VW013349.D
Acq: 30 Sep 2019 23:56

Instrument :
MSVOA_W
ClientSampleId :
VW0930SBS01

Tot Ion: 43 Resp: 206865
Ion Ratio Lower Upper
43 100
58 40.2 31.7 47.5

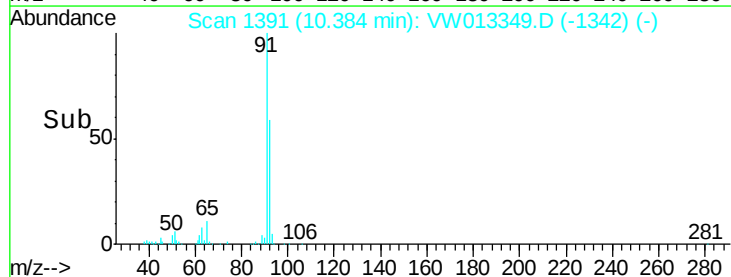
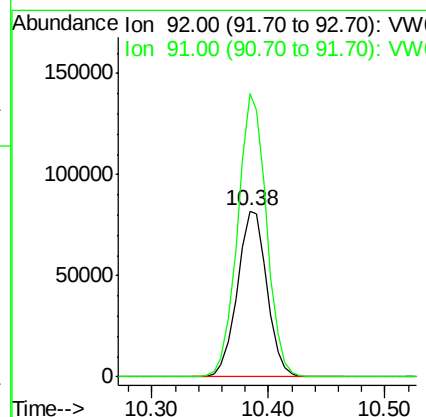
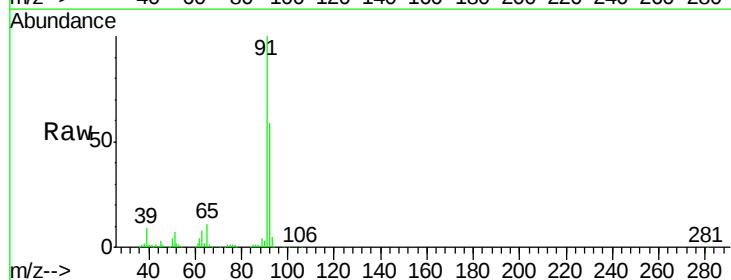
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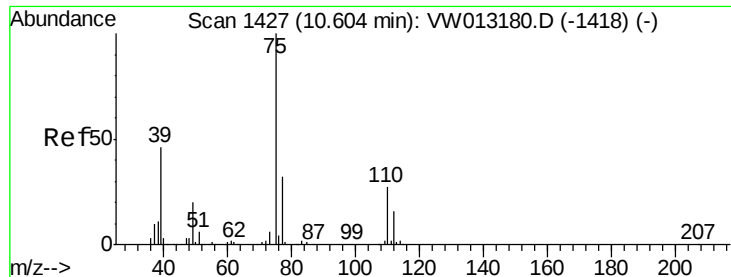
MMDadoda
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#52
Toluene
Concen: 21.945 ug/l
RT: 10.38 min Scan# 1391
Delta R.T. -0.00 min
Lab File: VW013349.D
Acq: 30 Sep 2019 23:56

Tgt Ion: 92 Resp: 144802
Ion Ratio Lower Upper
92 100
91 166.7 135.7 203.5





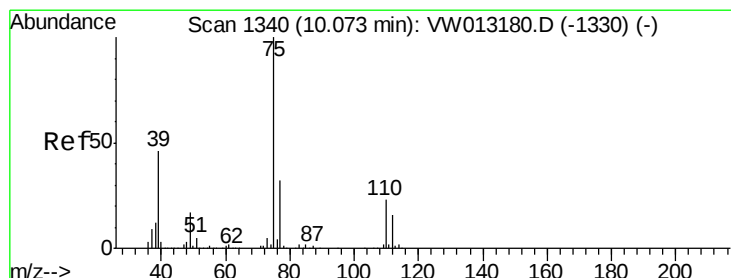
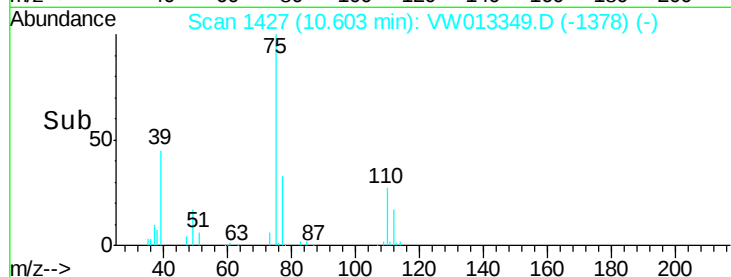
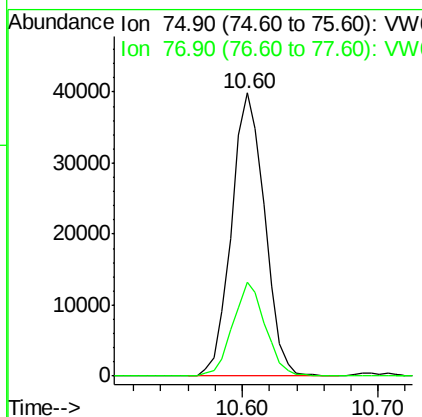
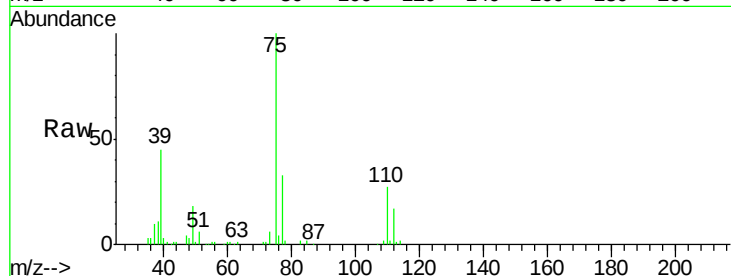
#53
 t-1,3-Dichloropropene
 Concen: 21.227 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. -0.00 min
 Lab File: VW013349.D
 Acq: 30 Sep 2019 23:56

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0930SBSD01

Tot Ion: 75 Resp: 67720
 Ion Ratio Lower Upper
 75 100
 77 33.0 25.5 38.3

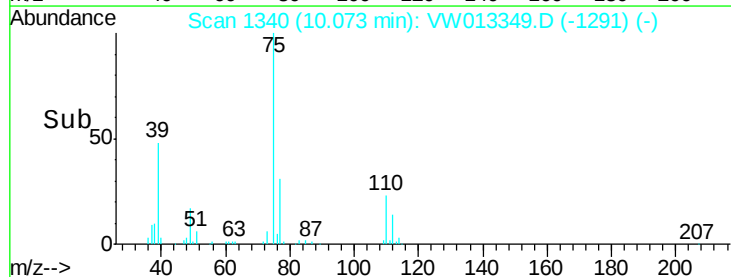
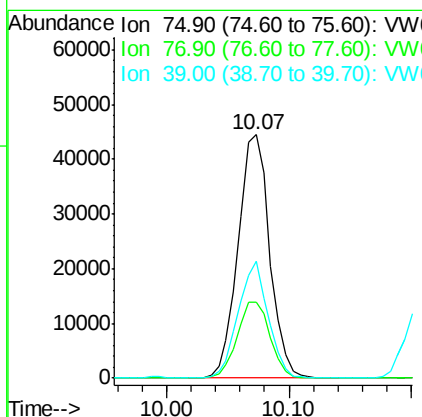
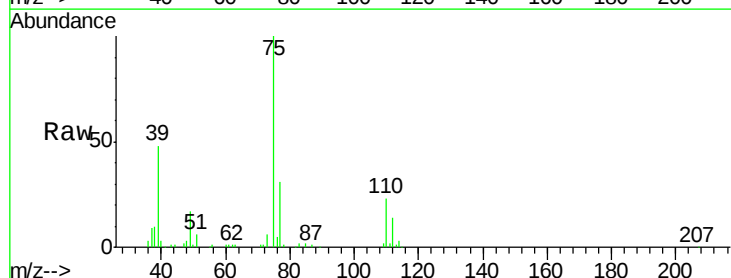
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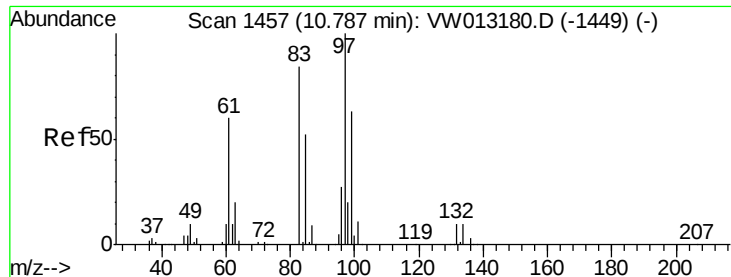
MMDadoda
 10/1/2019 11:33:02 AM



#54
 cis-1,3-Dichloropropene
 Concen: 20.556 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW013349.D
 Acq: 30 Sep 2019 23:56

Tgt Ion: 75 Resp: 79736
 Ion Ratio Lower Upper
 75 100
 77 31.4 25.2 37.8
 39 47.9 36.6 55.0





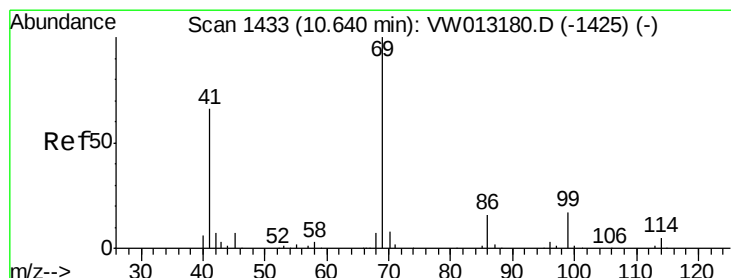
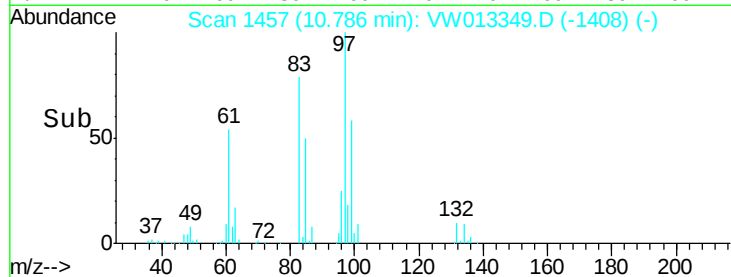
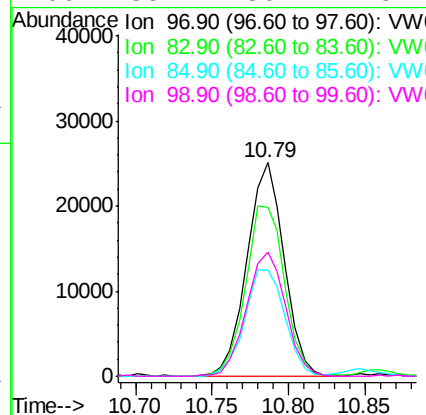
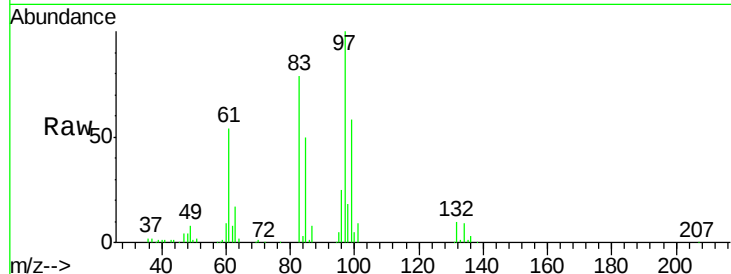
#55
 1,1,2-Trichloroethane
 Concen: 23.247 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW013349.D
 Acq: 30 Sep 2019 23:56

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0930SBS01

Tot Ion:	97	Resp:	42404
Ion	Ratio	Lower	Upper
97	100		
83	78.9	67.6	101.4
85	49.6	41.9	62.9
99	58.1	50.1	75.1

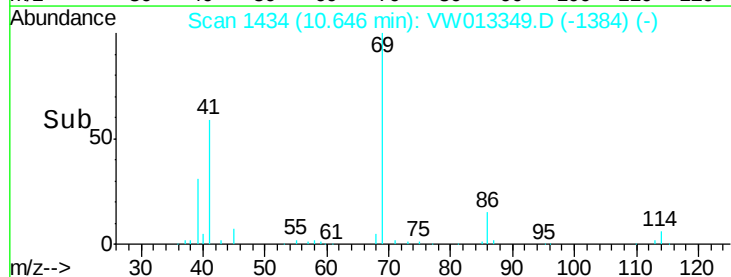
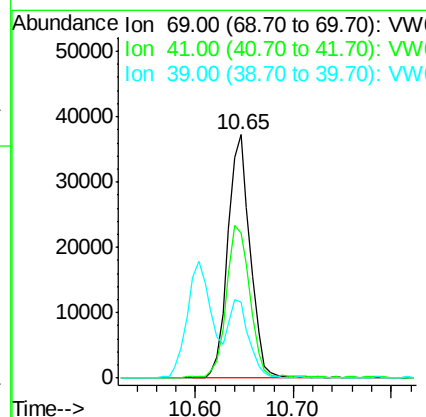
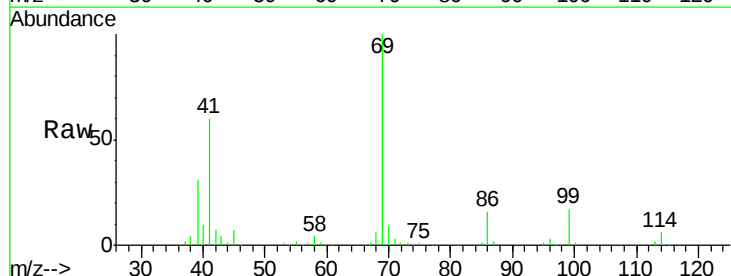
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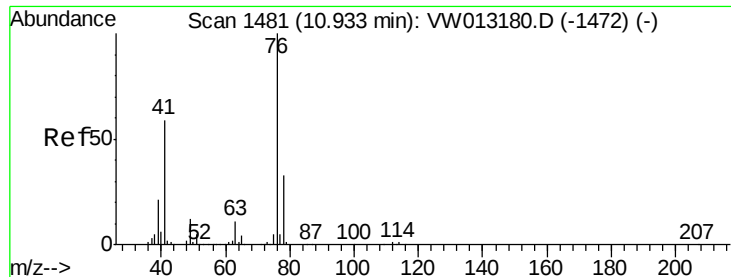
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#56
 Ethyl methacrylate
 Concen: 24.717 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.01 min
 Lab File: VW013349.D
 Acq: 30 Sep 2019 23:56

Tgt Ion:	69	Resp:	59004
Ion	Ratio	Lower	Upper
69	100		
41	66.6	53.9	80.9
39	28.7	23.8	35.6





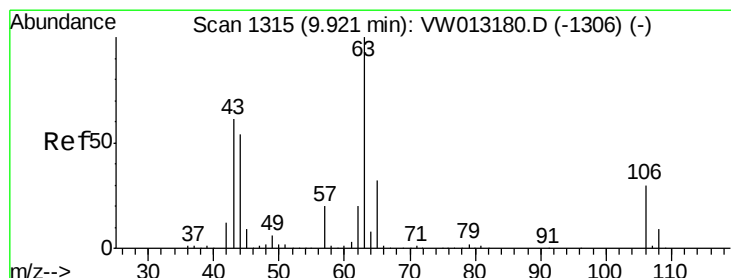
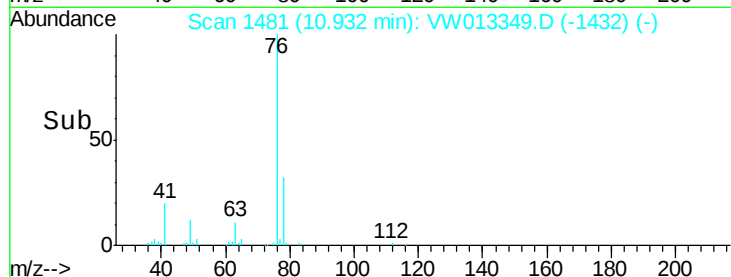
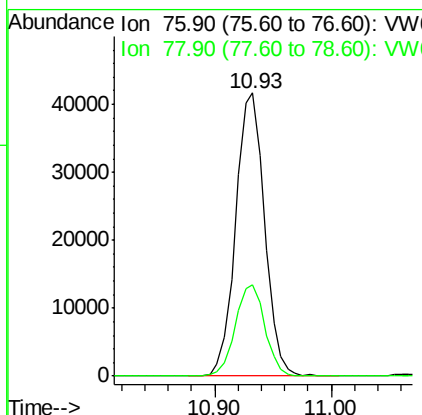
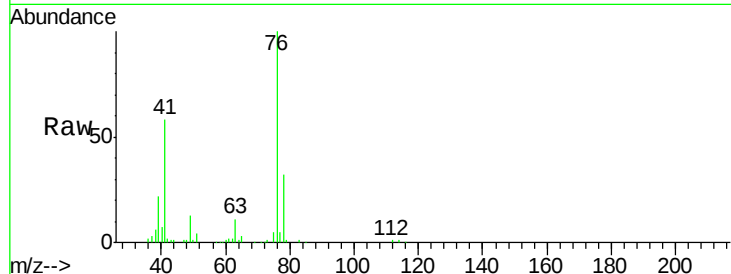
#57
 1,3-Dichloropropane
 Concen: 22.657 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW013349.D
 Acq: 30 Sep 2019 23:56

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0930SBS01

Tot Ion: 76 Resp: 72119
 Ion Ratio Lower Upper
 76 100
 78 32.8 25.5 38.3

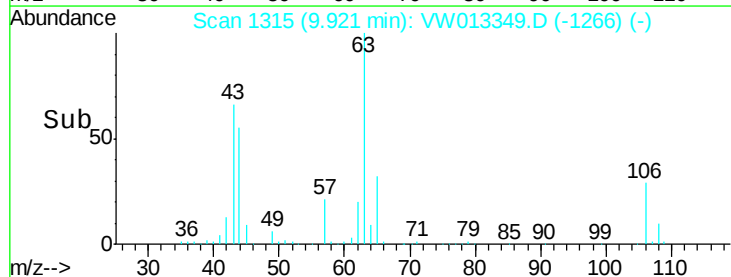
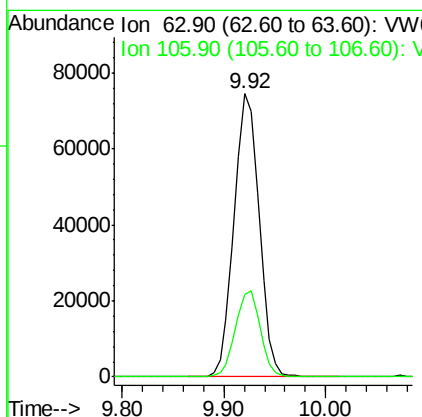
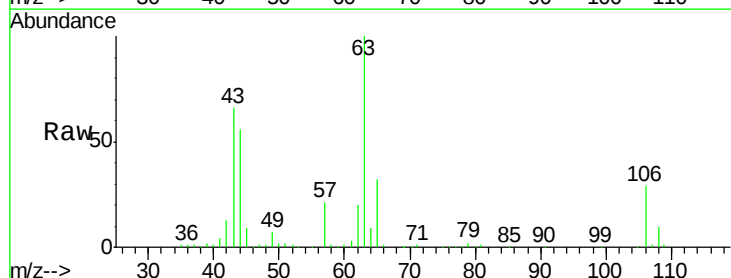
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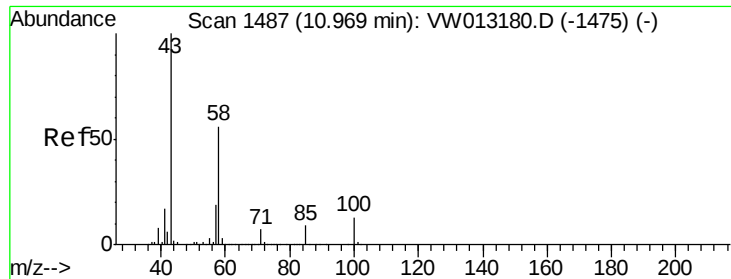
MMDadoda
 10/1/2019 11:33:02 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 114.971 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW013349.D
 Acq: 30 Sep 2019 23:56

Tgt Ion: 63 Resp: 127059
 Ion Ratio Lower Upper
 63 100
 106 29.9 23.4 35.0





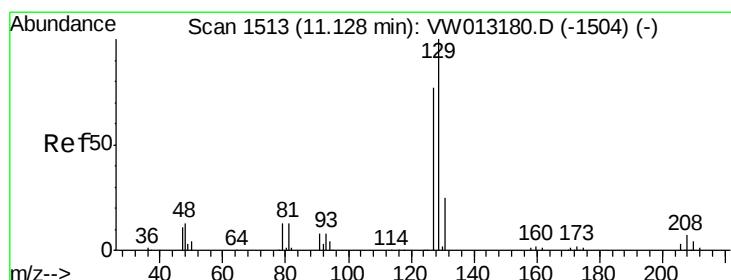
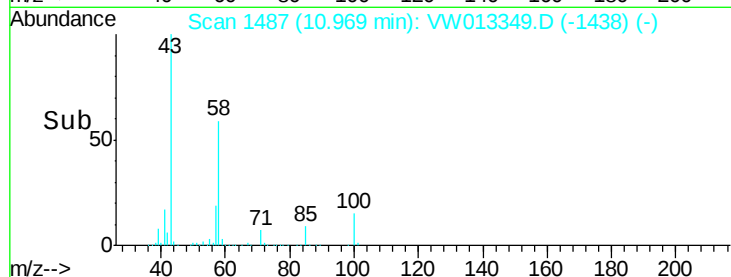
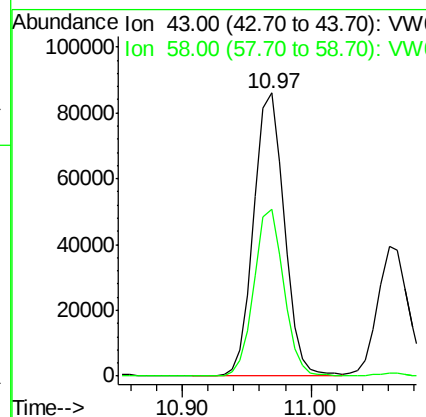
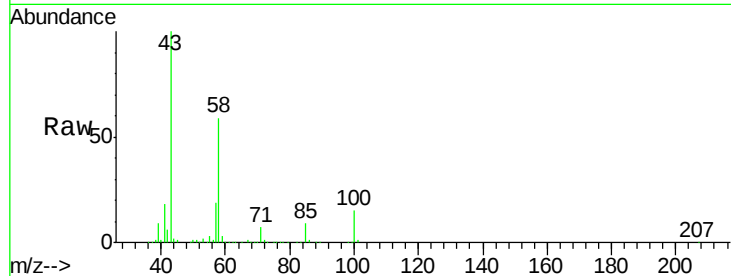
#59
2-Hexanone
Concen: 135.979 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW013349.D
Acq: 30 Sep 2019 23:56

Instrument :
MSVOA_W
ClientSampleId :
VW0930SBS01

Tot Ion: 43 Resp: 141013
Ion Ratio Lower Upper
43 100
58 57.6 28.1 84.2

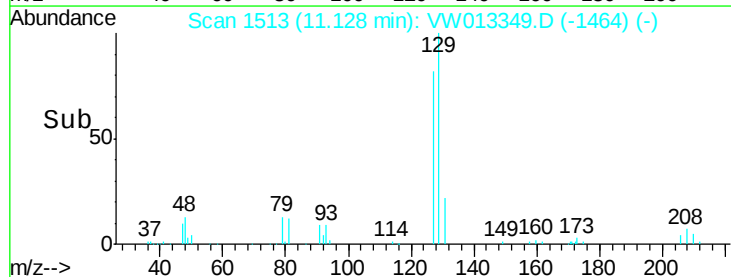
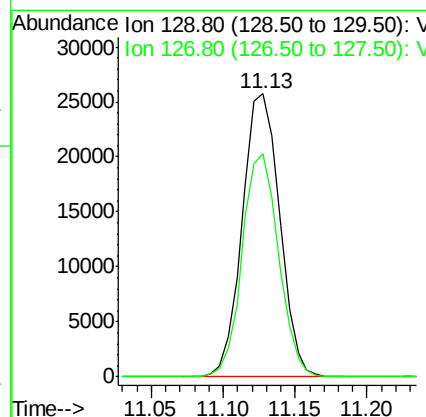
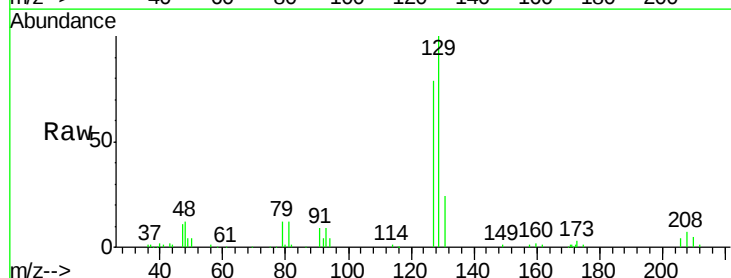
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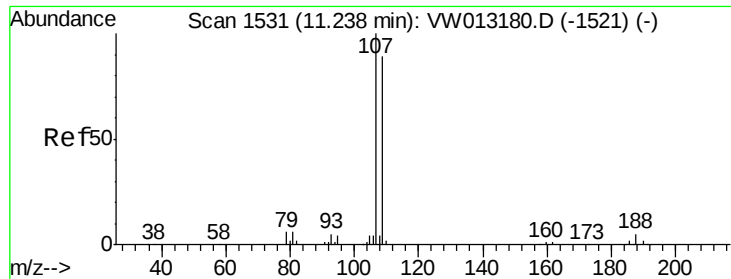
MMDadoda
10/1/2019 11:33:02 AM



#60
Dibromochloromethane
Concen: 22.426 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW013349.D
Acq: 30 Sep 2019 23:56

Tgt Ion: 129 Resp: 46449
Ion Ratio Lower Upper
129 100
127 76.5 38.8 116.4





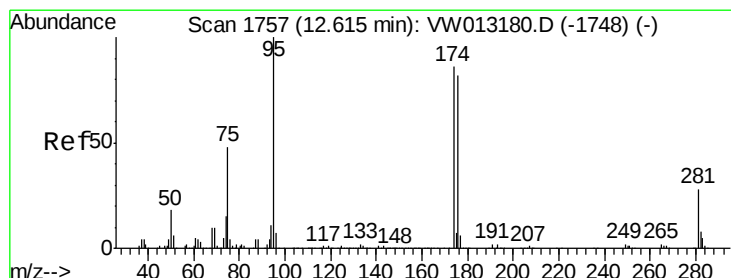
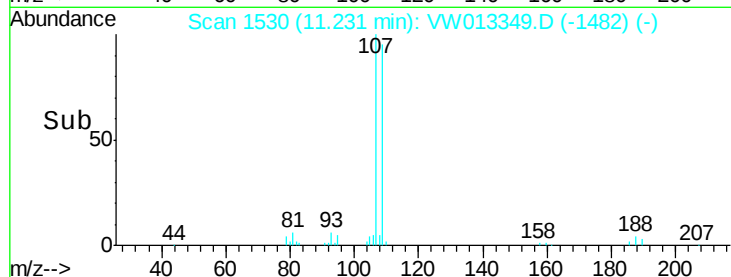
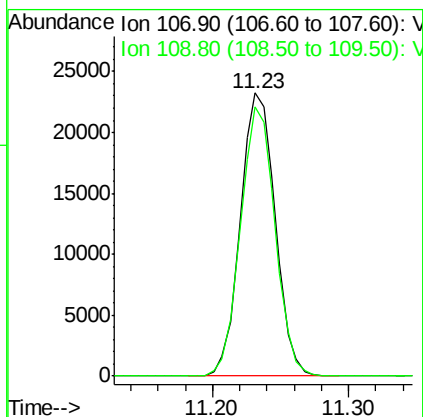
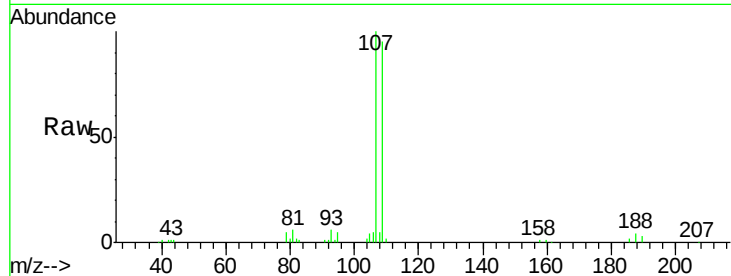
#61
 1,2-Dibromoethane
 Concen: 23.979 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW013349.D
 Acq: 30 Sep 2019 23:56

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0930SBSD01

Tot Ion: 107 Resp: 41587
 Ion Ratio Lower Upper
 107 100
 109 94.5 75.2 112.8

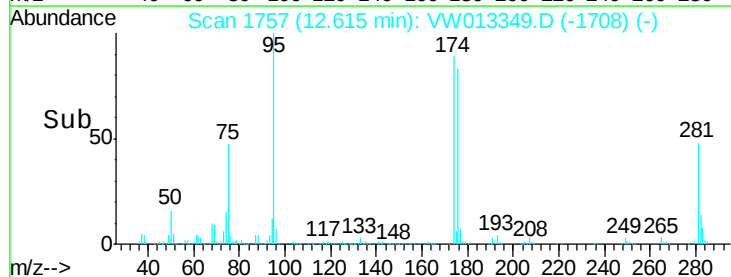
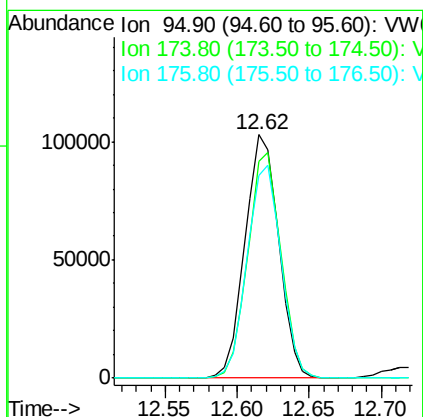
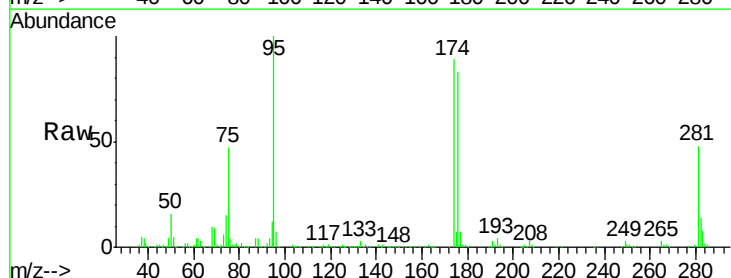
Manual Integrations
 APPROVED

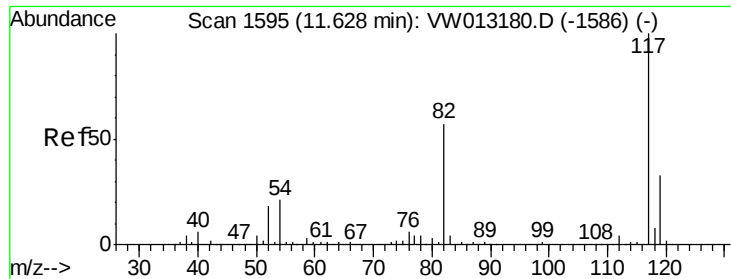
MMDadoda
 10/1/2019 11:33:02 AM



#62
 4-Bromofluorobenzene
 Concen: 55.534 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW013349.D
 Acq: 30 Sep 2019 23:56

Tgt Ion: 95 Resp: 166408
 Ion Ratio Lower Upper
 95 100
 174 90.8 0.0 178.4
 176 87.7 0.0 172.2





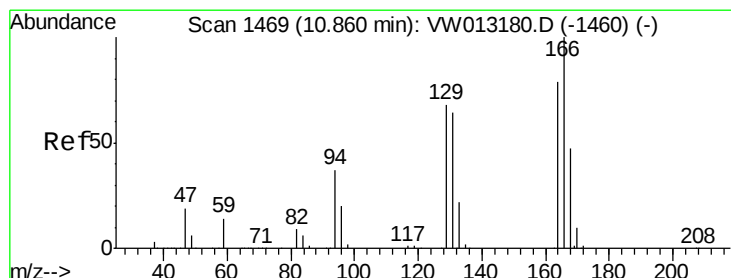
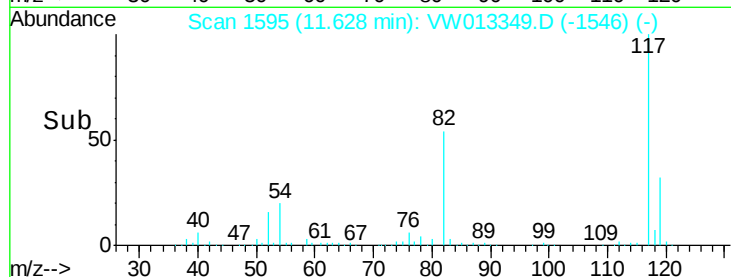
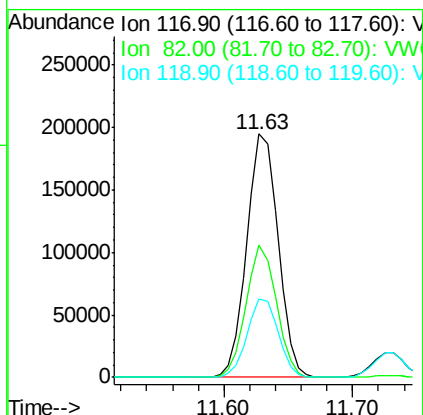
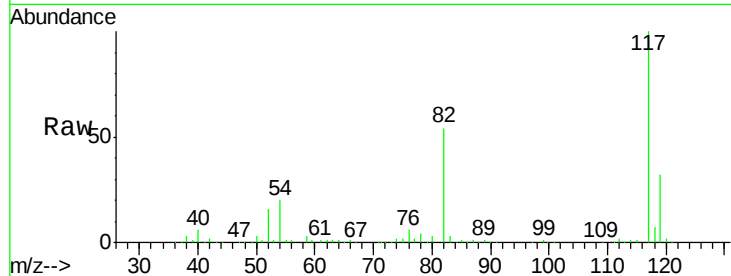
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW013349.D
Acq: 30 Sep 2019 23:56

Instrument :
MSVOA_W
ClientSampleId :
VW0930SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	327717		
82	54.1	45.9	68.9	
119	32.2	26.2	39.2	

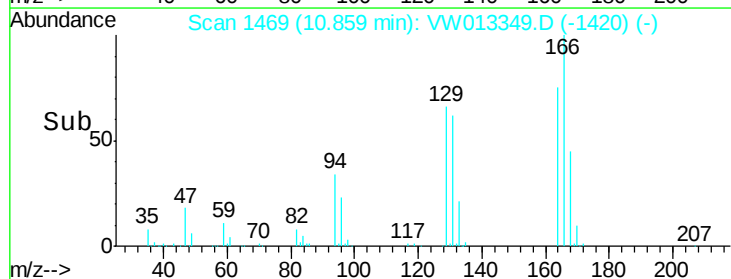
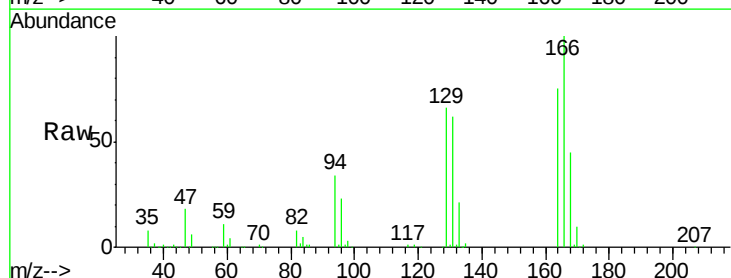
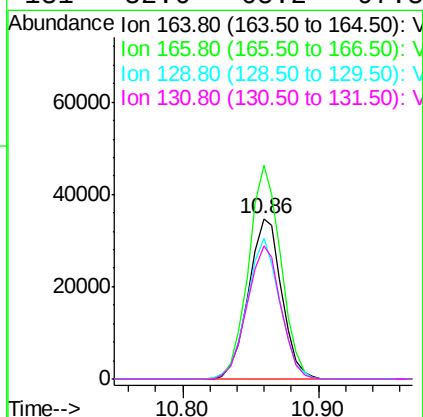
Manual Integrations
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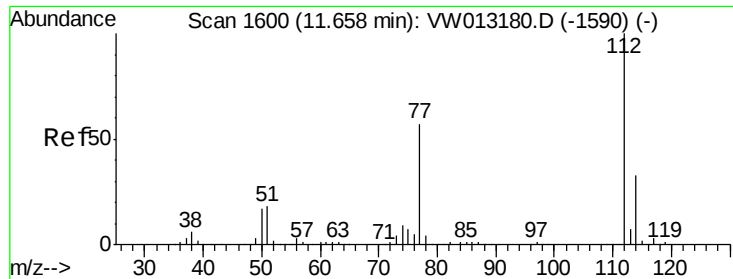
MMDadoda
10/1/2019 11:33:02 AM



#64
Tetrachloroethene
Concen: 23.916 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW013349.D
Acq: 30 Sep 2019 23:56

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	59468		
166	133.0	101.2	151.8	
129	87.8	68.8	103.2	
131	82.6	65.2	97.8	





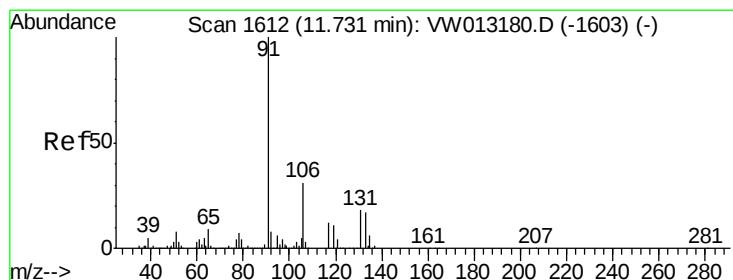
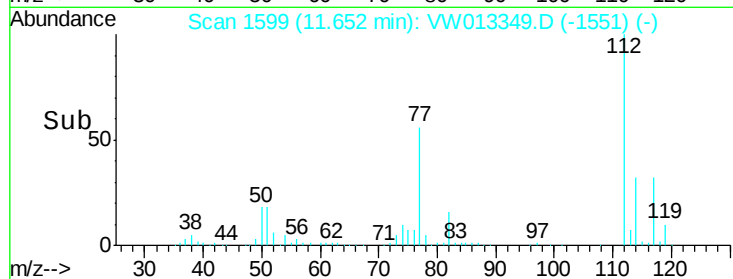
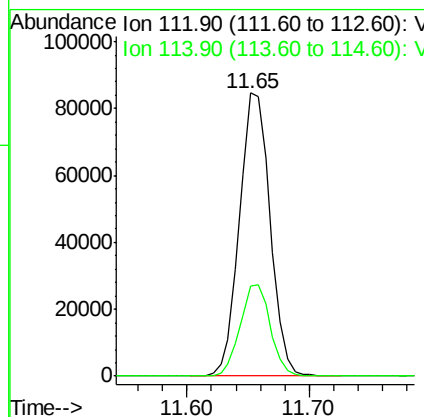
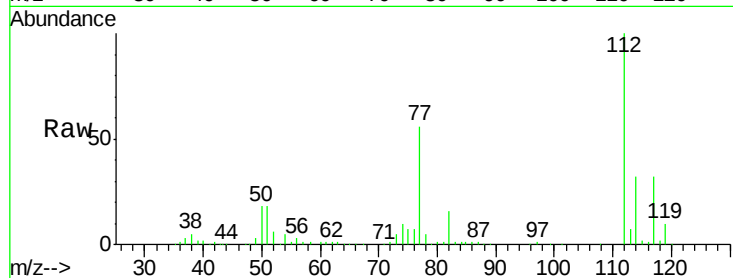
#65
Chlorobenzene
Concen: 21.451 ug/l
RT: 11.65 min Scan# 1599
Delta R.T. -0.01 min
Lab File: VW013349.D
Acq: 30 Sep 2019 23:56

Instrument :
MSVOA_W
ClientSampleId :
VW0930SBSD01

Tot Ion:112 Resp: 146797
Ion Ratio Lower Upper
112 100
114 32.0 26.5 39.7

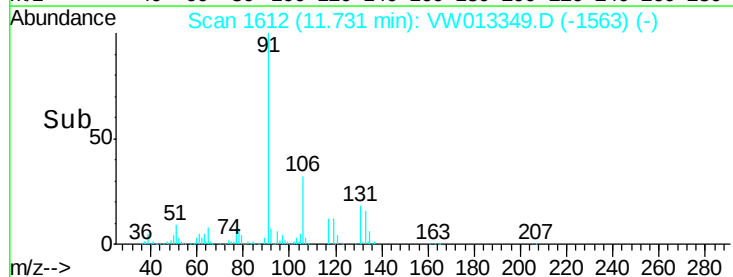
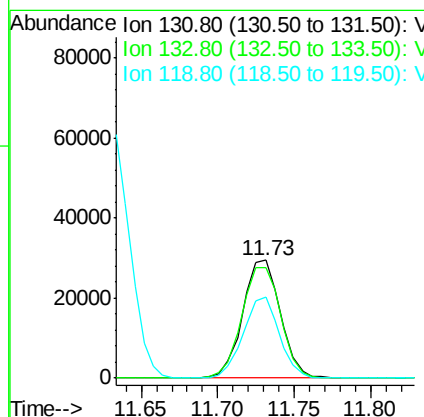
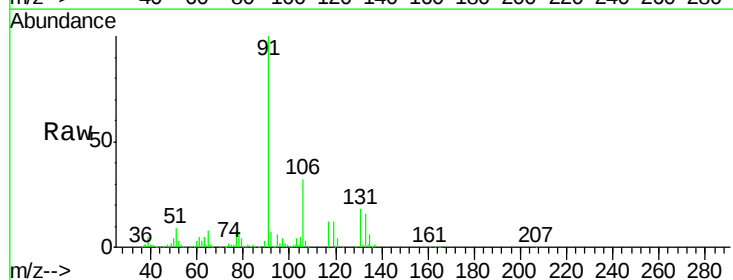
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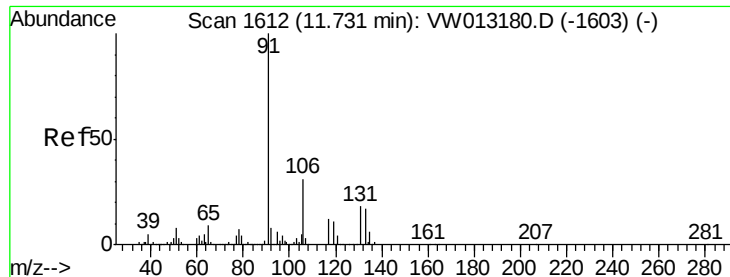
MMDadoda
10/1/2019 11:33:02 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 21.595 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW013349.D
Acq: 30 Sep 2019 23:56

Tgt Ion:131 Resp: 50487
Ion Ratio Lower Upper
131 100
133 96.9 47.5 142.6
119 66.2 32.5 97.5





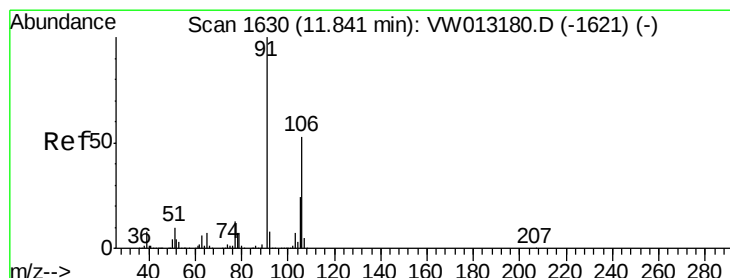
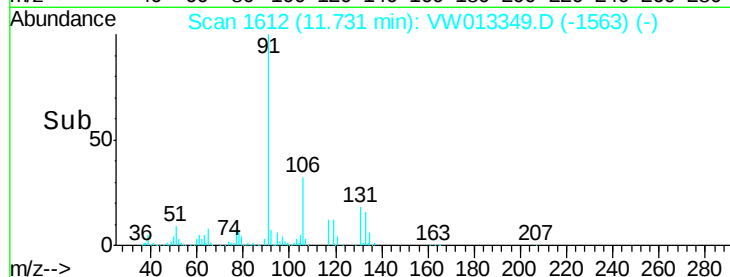
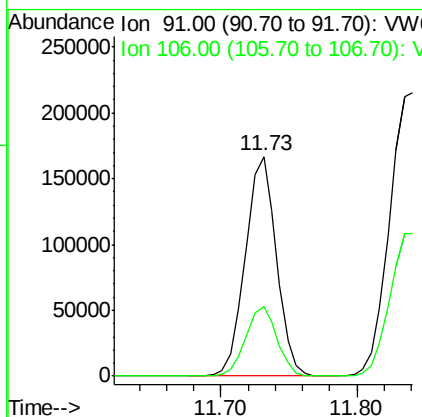
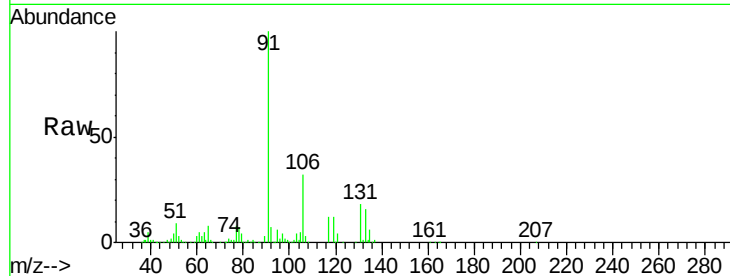
#67
Ethyl Benzene
Concen: 21.543 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW013349.D
Acq: 30 Sep 2019 23:56

Instrument :
MSVOA_W
ClientSampleId :
VW0930SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
106	31.7	24.9	37.3

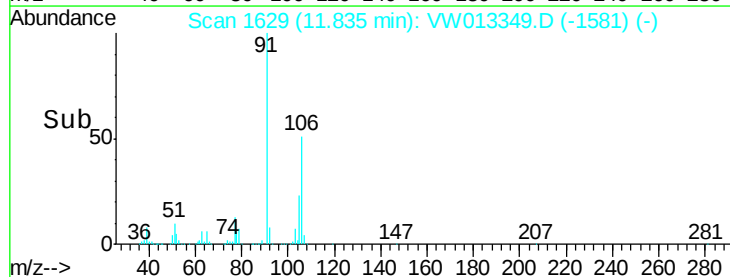
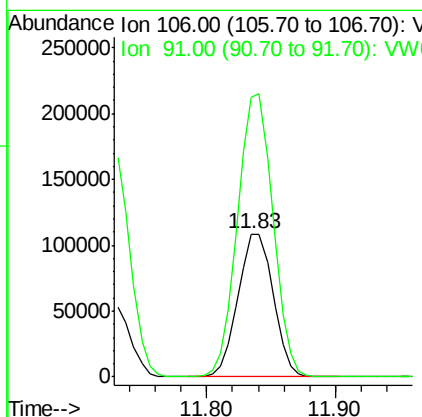
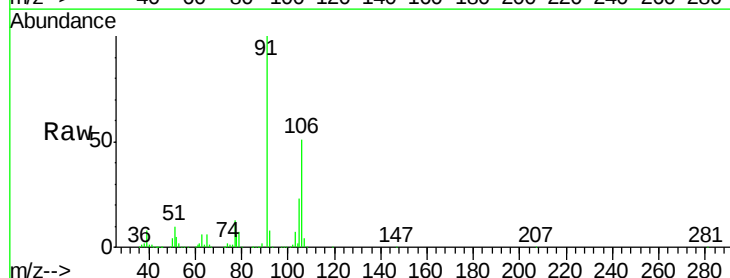
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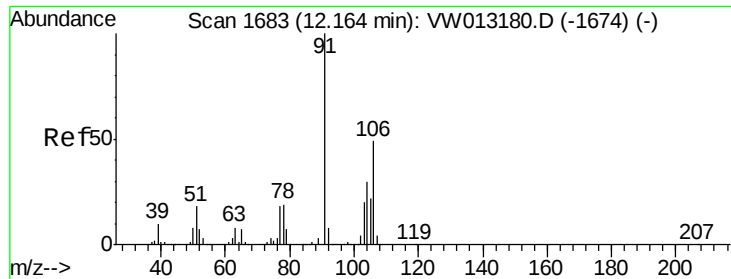
MMDadoda
10/1/2019 11:33:02 AM



#68
m/p-Xylenes
Concen: 43.778 ug/l
RT: 11.83 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW013349.D
Acq: 30 Sep 2019 23:56

Tgt Ion	Ratio	Lower	Upper
106	100		
91	198.2	157.9	236.9





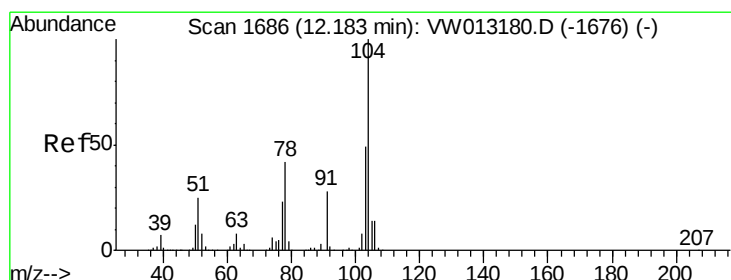
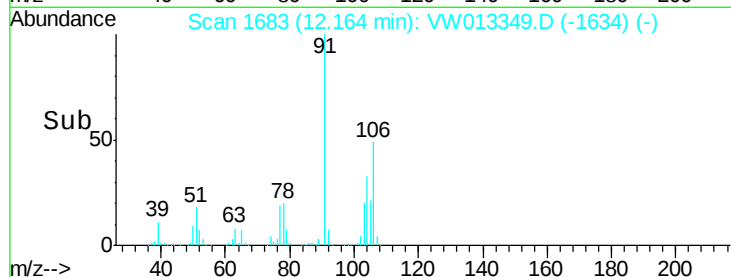
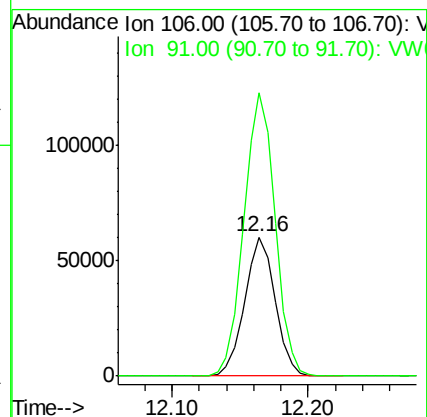
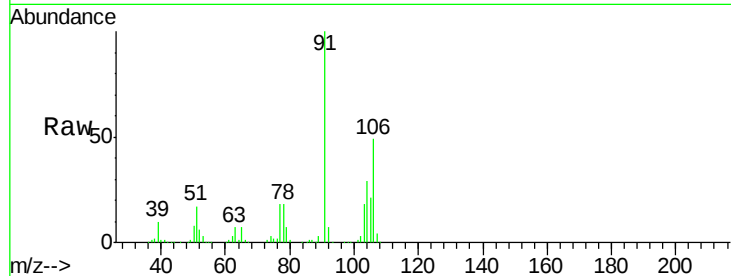
#69
o-Xylene
Concen: 21.460 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW013349.D
Acq: 30 Sep 2019 23:56

Instrument :
MSVOA_W
ClientSampleId :
VW0930SBSD01

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	208.3	106.5	319.5	

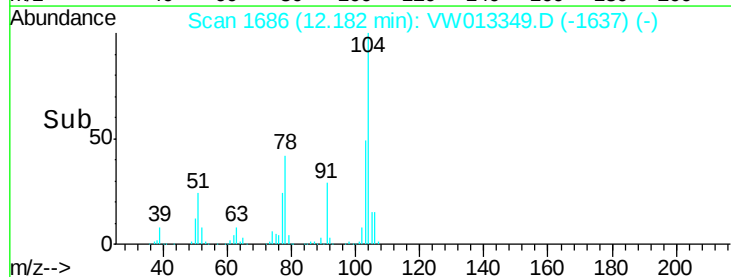
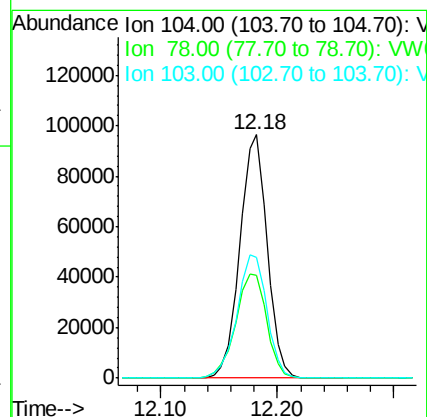
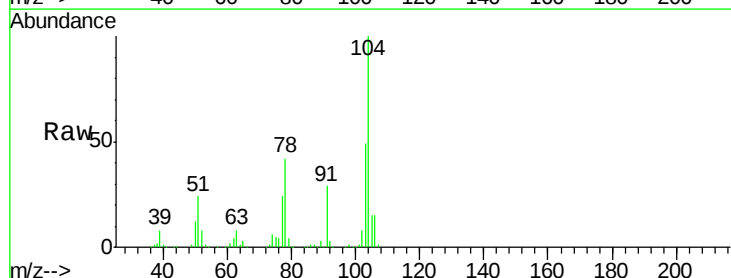
Manual Integrations
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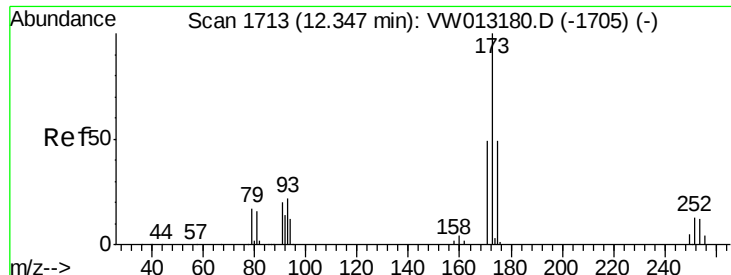
MMDadoda
10/1/2019 11:33:02 AM



#70
Styrene
Concen: 20.971 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW013349.D
Acq: 30 Sep 2019 23:56

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	48.3	38.4	57.6	
103	55.4	43.3	64.9	





#71

Bromoform

Concen: 24.661 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW013349.D

Acq: 30 Sep 2019 23:56

Instrument :

MSVOA_W

ClientSampleId :

VW0930SBSD01

Tot Ion:173 Resp: 30460

Ion Ratio Lower Upper

173 100

175 46.7 24.3 73.0

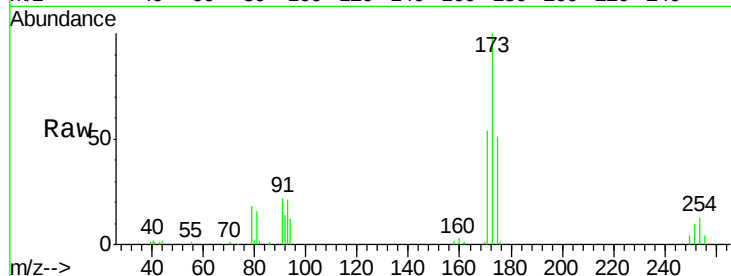
254 0.0 0.1 0.1#

Manual Integrations

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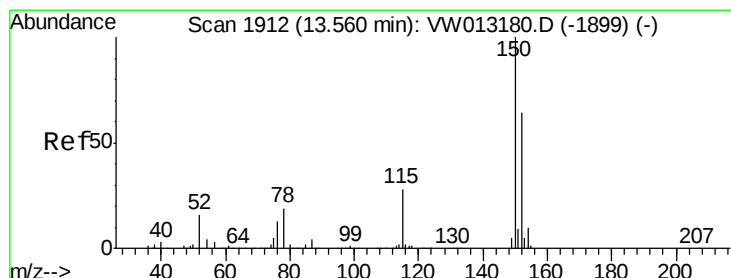
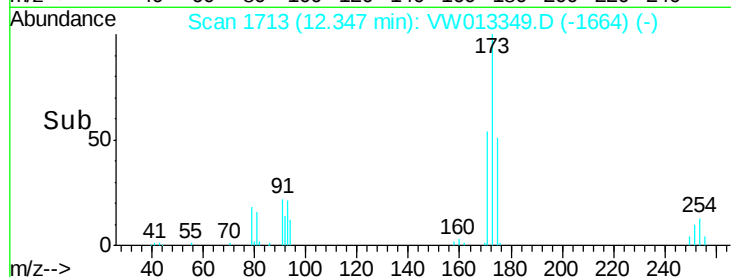
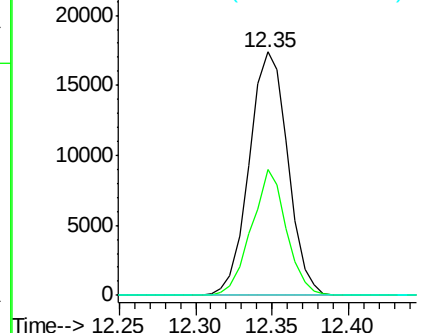
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW013349.D

Acq: 30 Sep 2019 23:56

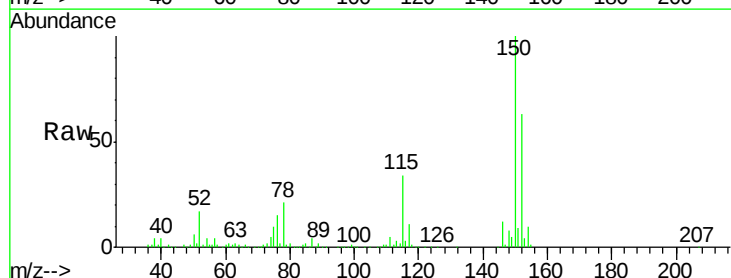
Tgt Ion:152 Resp: 166768

Ion Ratio Lower Upper

152 100

115 55.4 27.3 81.9

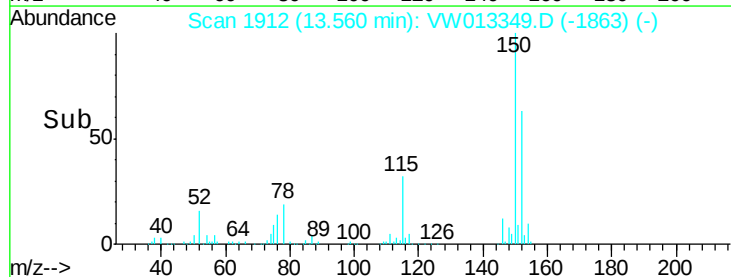
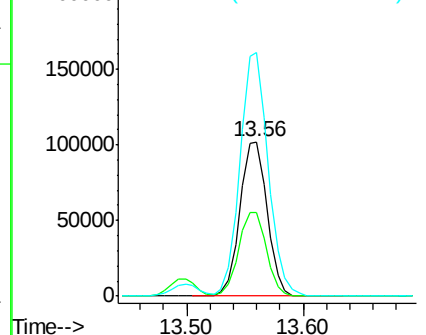
150 163.2 0.0 349.0

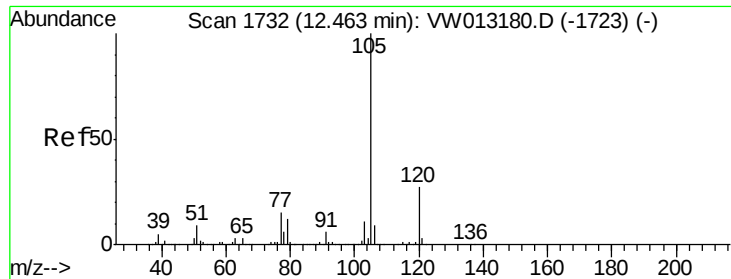


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





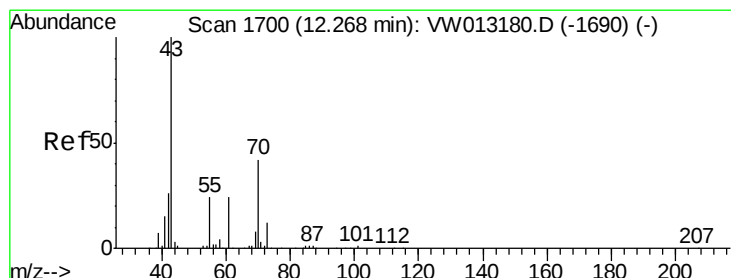
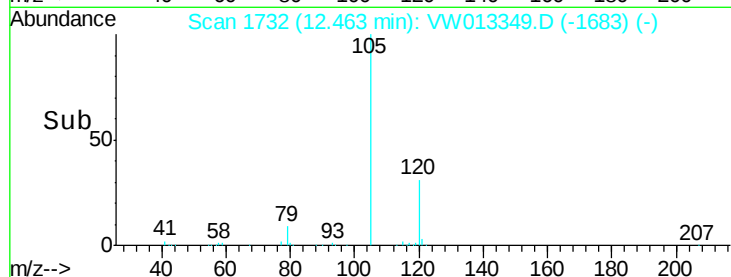
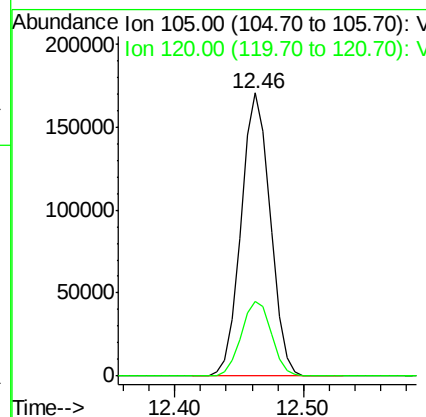
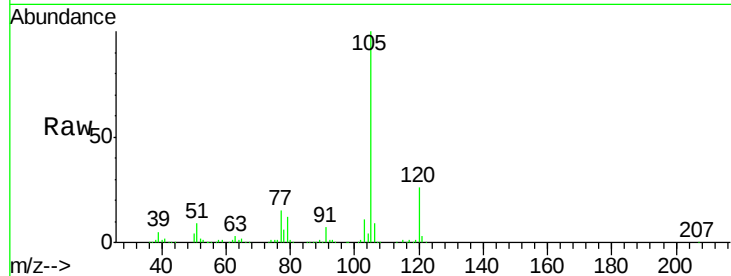
#73
Isopropylbenzene
Concen: 21.662 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VW013349.D
Acq: 30 Sep 2019 23:56

Instrument :
MSVOA_W
ClientSampleId :
VW0930SBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	266864		
120	27.3	13.4	40.1	

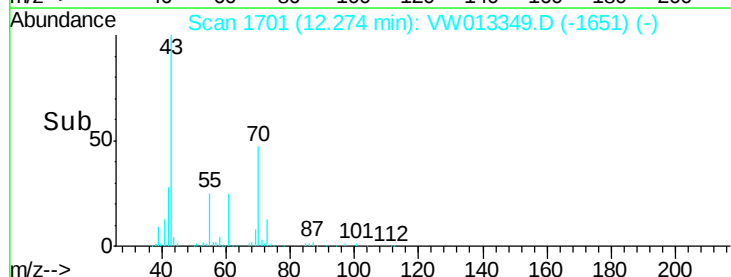
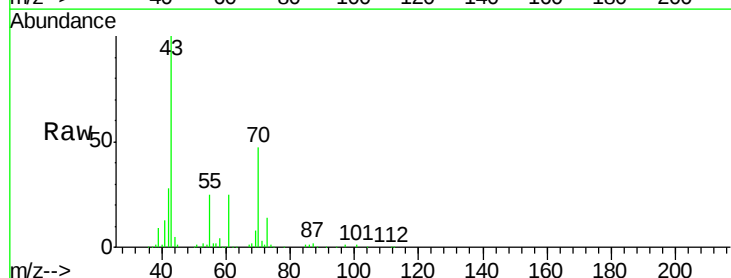
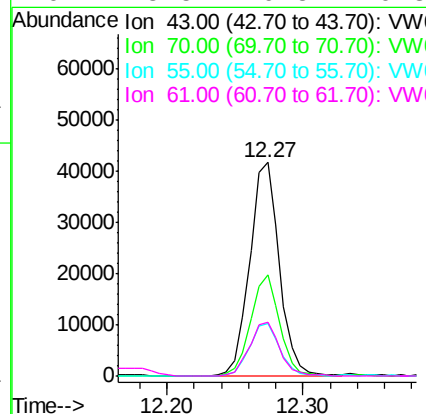
Manual Integrations
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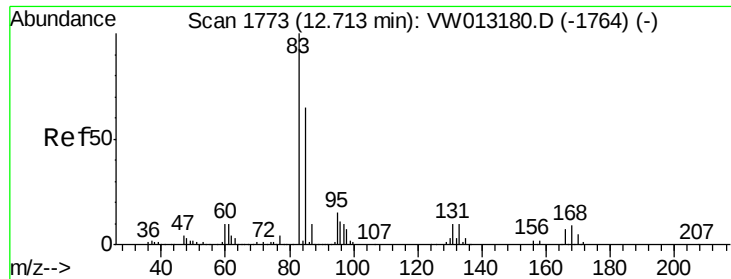
MMDadoda
10/1/2019 11:33:02 AM



#74
N-ethyl acetate
Concen: 23.346 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. 0.01 min
Lab File: VW013349.D
Acq: 30 Sep 2019 23:56

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	63821		
70	46.2	35.1	52.7	
55	25.4	19.9	29.9	
61	25.5	19.5	29.3	





#75

1,1,2,2-Tetrachloroethane

Concen: 25.625 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW013349.D

Acq: 30 Sep 2019 23:56

Instrument :

MSVOA_W

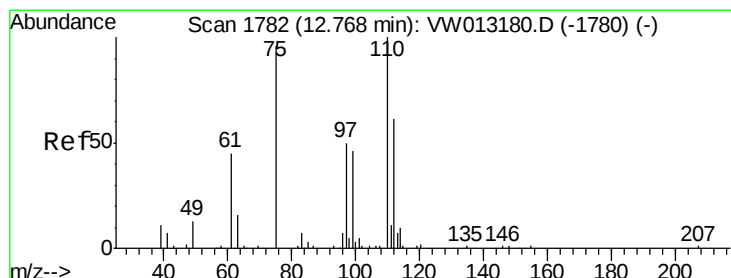
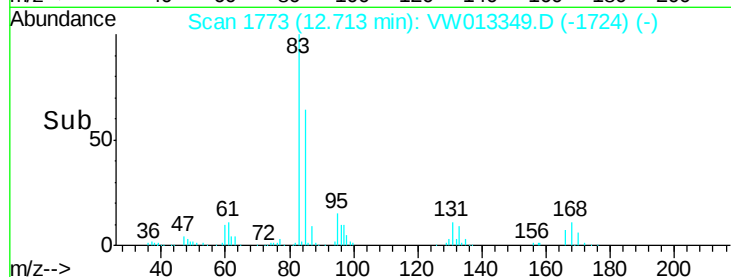
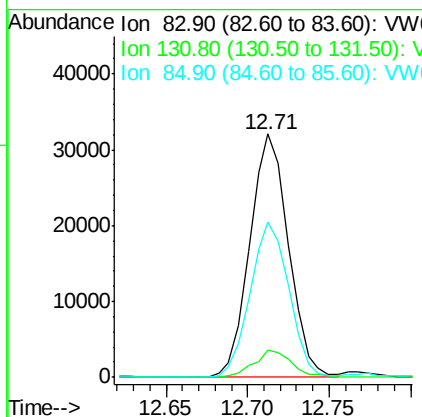
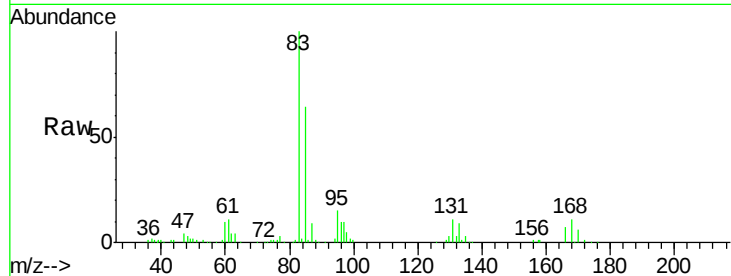
ClientSampleId :

VW0930SBSD01

Tot Ion:	83	Resp:	52796
Ion Ratio	Lower	Upper	
83	100		
131	10.8	5.4	16.2
85	63.8	31.9	95.9

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10/1/2019 11:33:02 AM



#76

1,2,3-Trichloropropane

Concen: 23.339 ug/l m

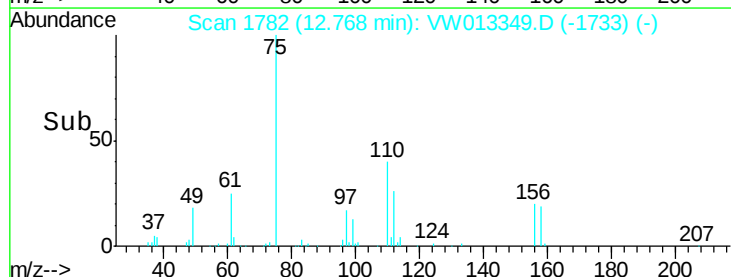
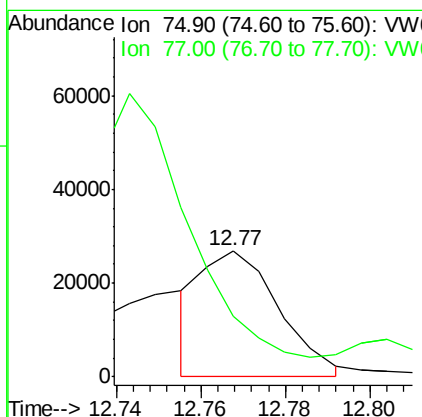
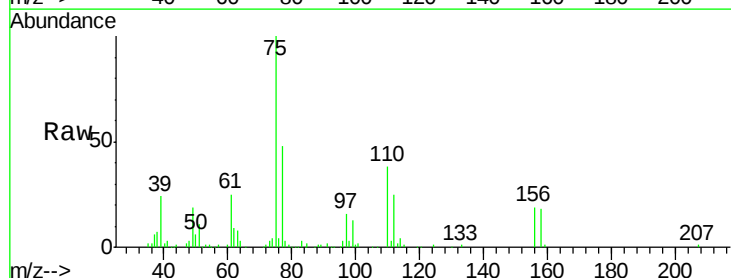
RT: 12.77 min Scan# 1782

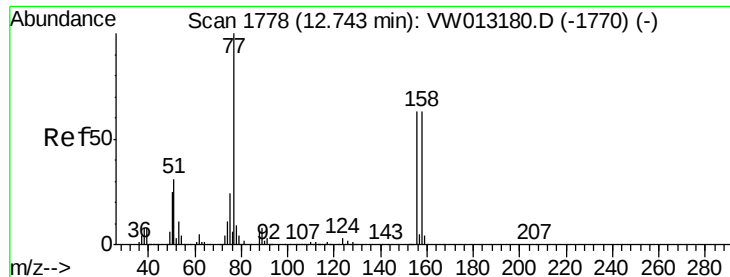
Delta R.T. -0.00 min

Lab File: VW013349.D

Acq: 30 Sep 2019 23:56

Tgt Ion:	75	Resp:	34373
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 21.780 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VW013349.D

Acq: 30 Sep 2019 23:56

Instrument :

MSVOA_W

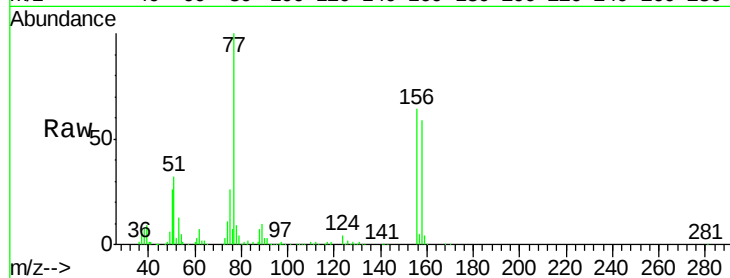
ClientSampleId :

VW0930SBSD01

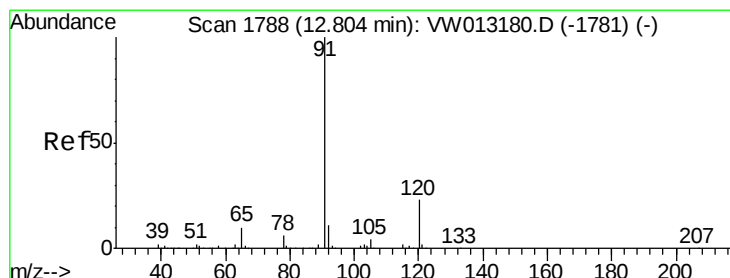
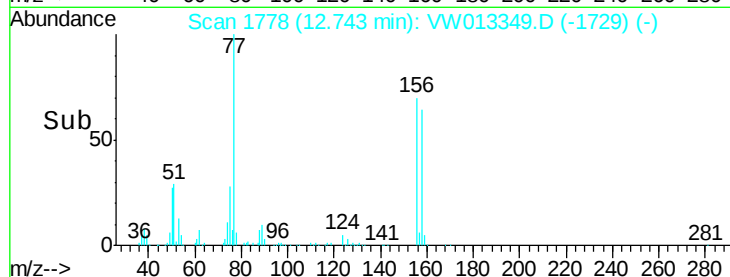
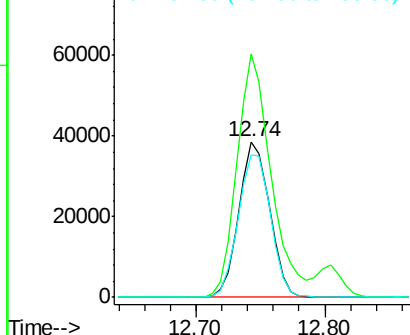
Tot Ion:	156	Resp:	63584
Ion	Ratio	Lower	Upper
156	100		
77	173.6	85.7	257.1
158	96.8	48.1	144.4

Manual Integrations
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Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VW
Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.645 ug/l

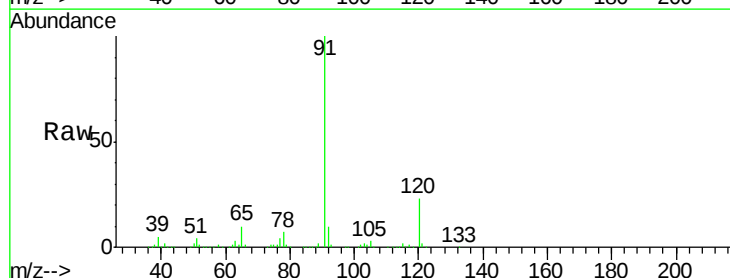
RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

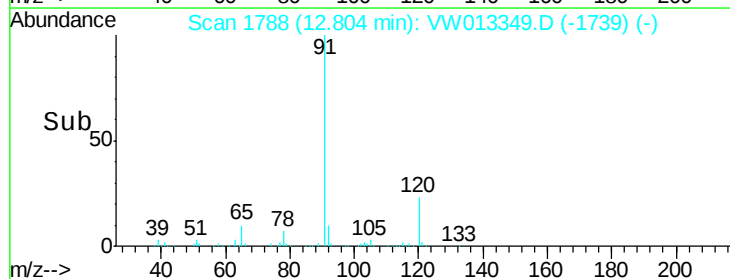
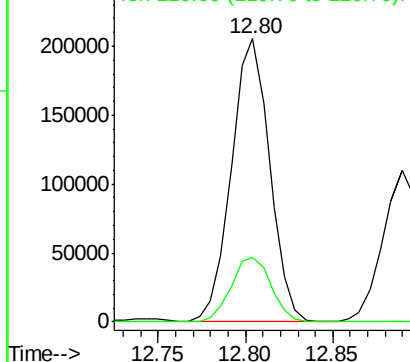
Lab File: VW013349.D

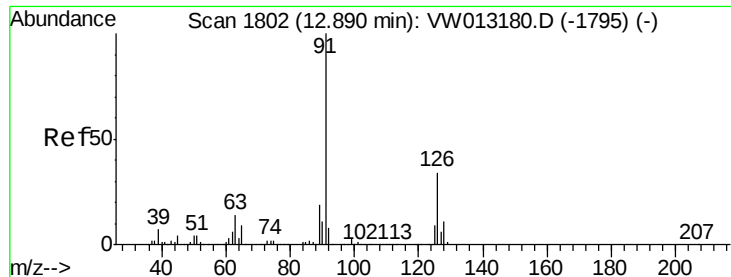
Acq: 30 Sep 2019 23:56

Tgt Ion:	91	Resp:	312122
Ion	Ratio	Lower	Upper
91	100		
120	23.8	11.7	35.1



Abundance Ion 91.00 (90.70 to 91.70): VW
Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.329 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW013349.D

Acq: 30 Sep 2019 23:56

Instrument :

MSVOA_W

ClientSampleId :

VW0930SBS01

Tot Ion: 91 Resp: 172312

Ion Ratio Lower Upper

91 100

126 34.8

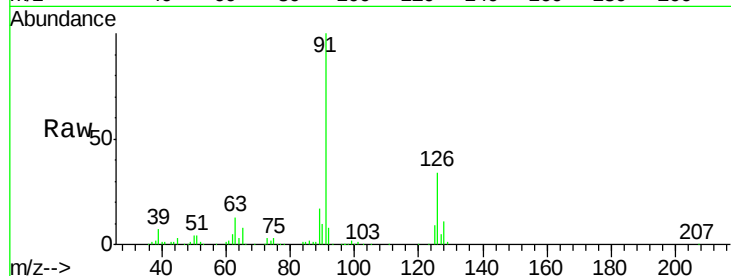
17.2 51.5

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V

12.89

100000

80000

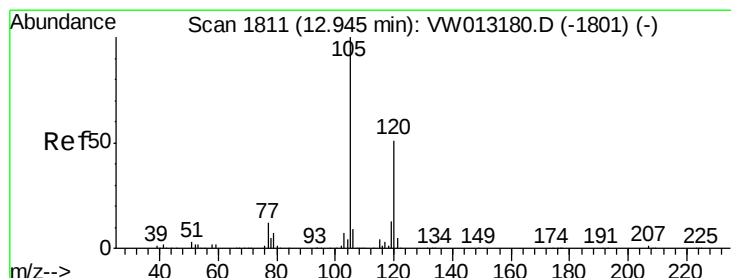
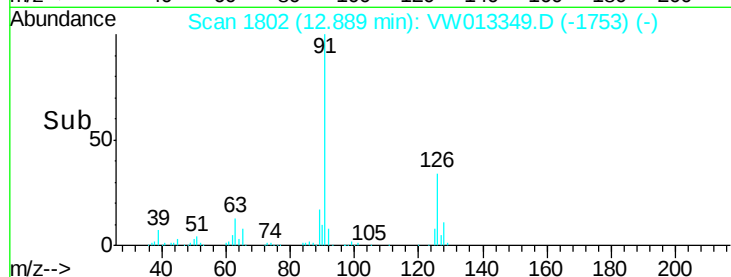
60000

40000

20000

0

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 21.535 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW013349.D

Acq: 30 Sep 2019 23:56

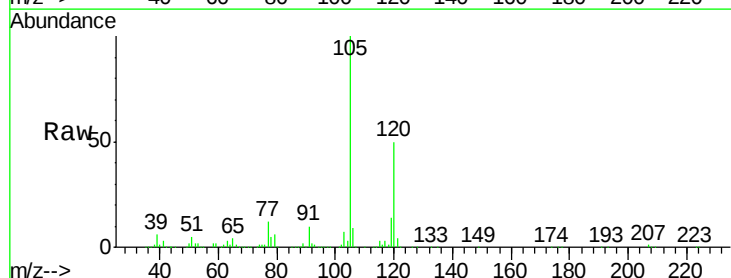
Tgt Ion:105 Resp: 223013

Ion Ratio Lower Upper

105 100

120 50.0

24.9 74.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.94

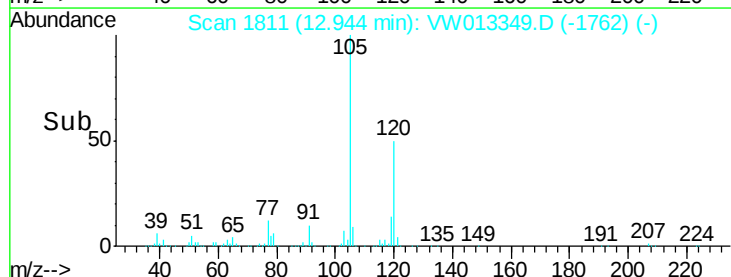
150000

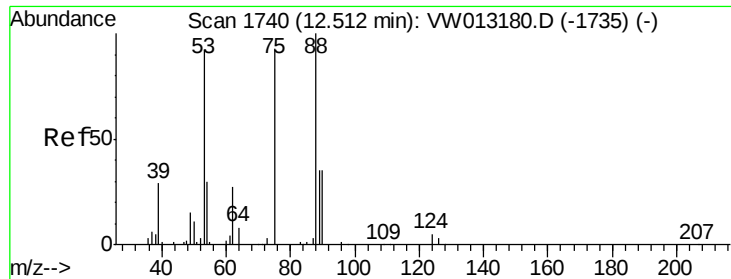
100000

50000

0

Time-->





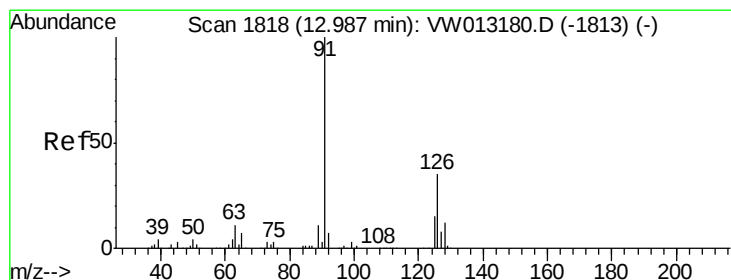
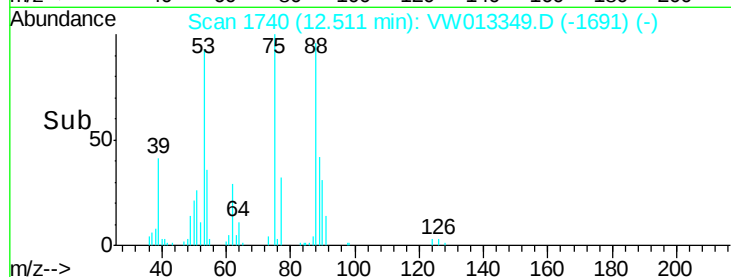
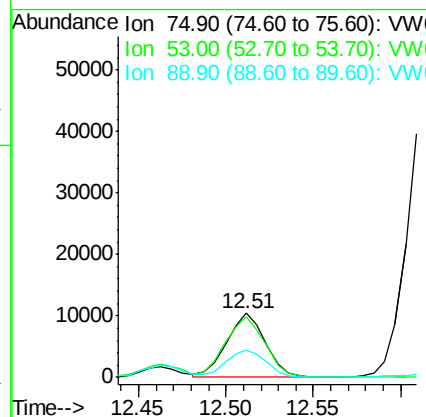
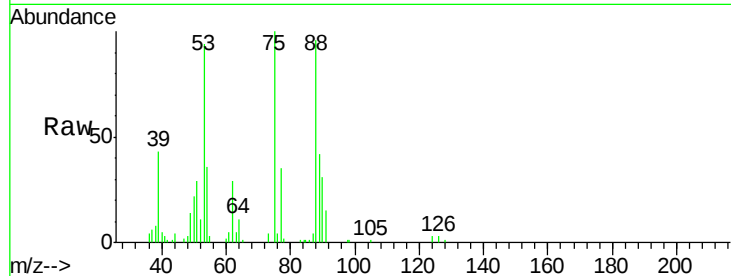
#81
trans-1,4-Dichloro-2-butene
Concen: 23.837 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW013349.D
Acq: 30 Sep 2019 23:56

Instrument :
MSVOA_W
ClientSampleId :
VW0930SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	98.7	76.6	114.8
89	45.4	33.5	50.3

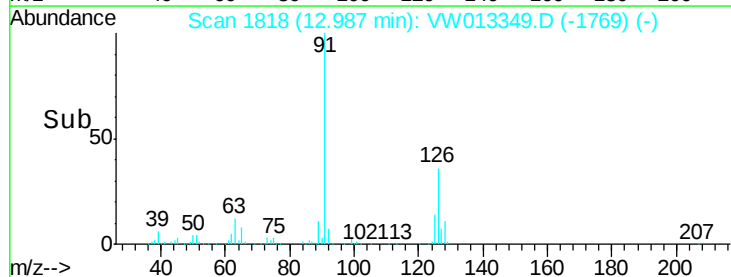
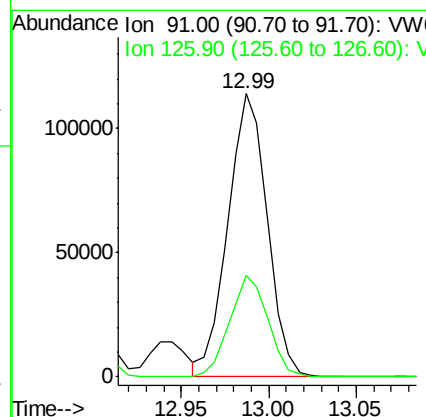
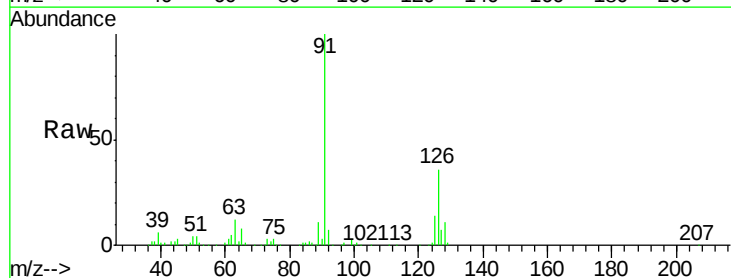
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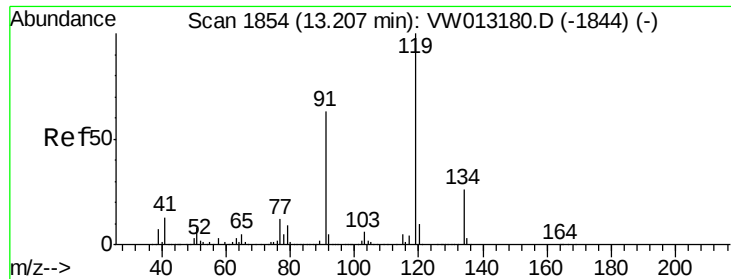
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#82
4-Chlorotoluene
Concen: 20.829 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VW013349.D
Acq: 30 Sep 2019 23:56

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.0	17.3	51.7





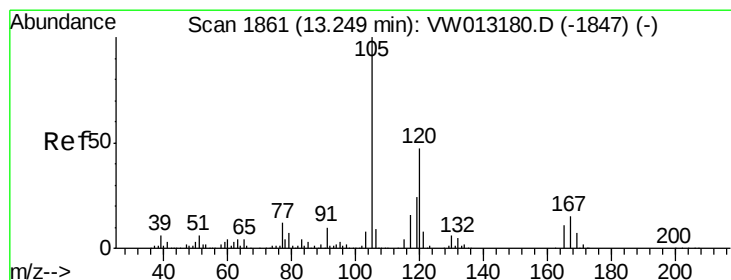
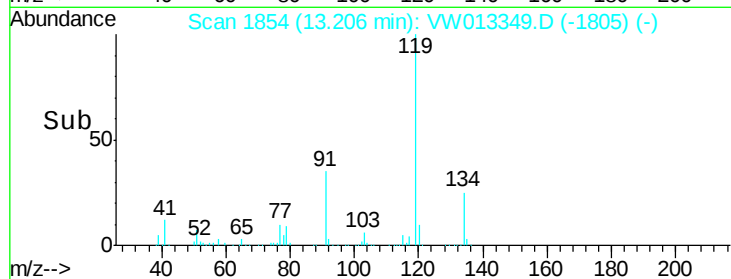
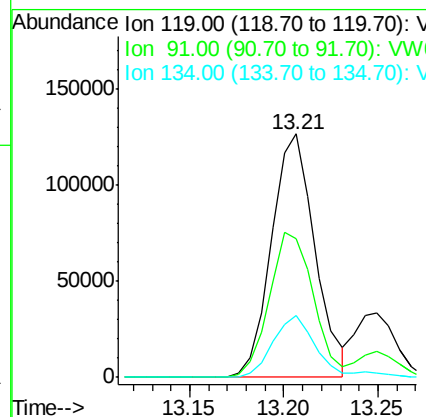
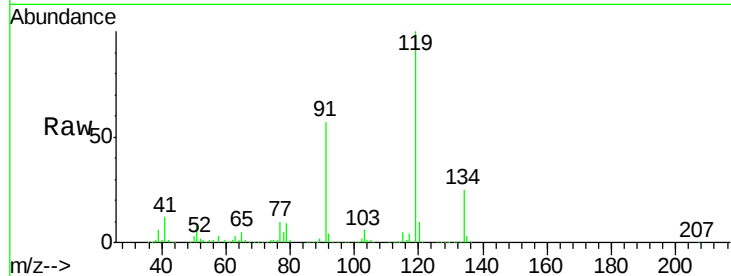
#83
tert-Butylbenzene
Concen: 22.252 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW013349.D
Acq: 30 Sep 2019 23:56

Instrument :
MSVOA_W
ClientSampleId :
VW0930SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	202253		
91	60.2	30.7	92.1	
134	26.1	12.6	37.6	

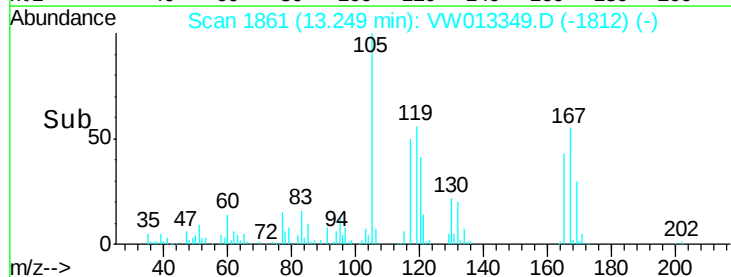
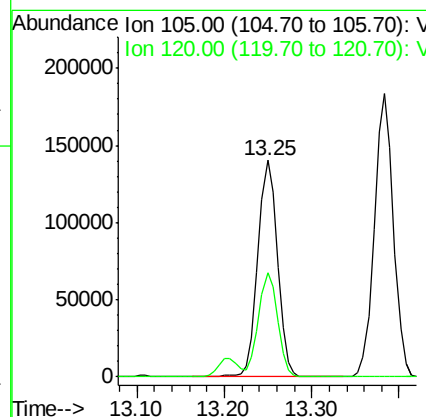
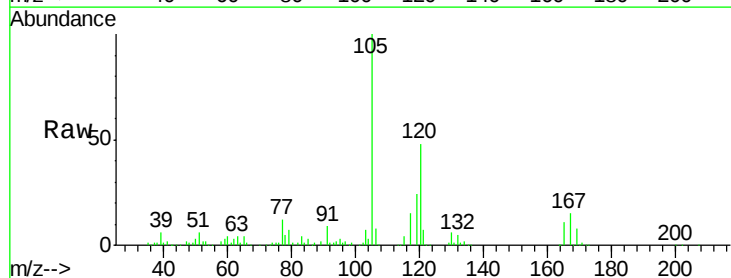
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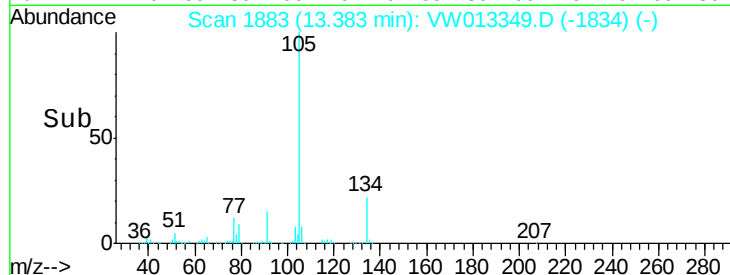
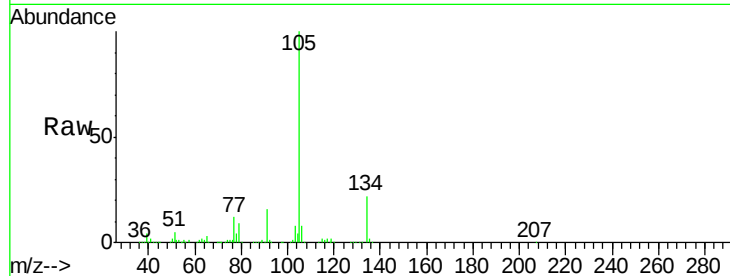
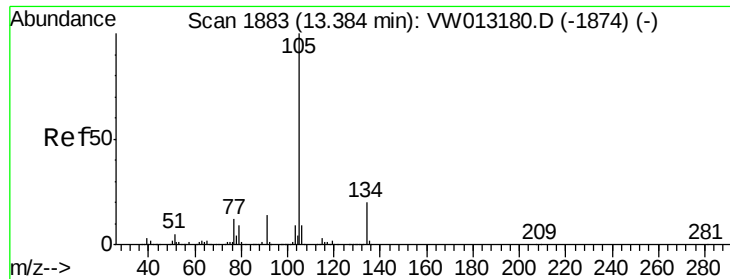
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#84
1,2,4-Trimethylbenzene
Concen: 21.136 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW013349.D
Acq: 30 Sep 2019 23:56

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	217805		
120	46.6	23.4	70.3	





#85

sec-Butylbenzene

Concen: 22.281 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW013349.D

Acq: 30 Sep 2019 23:56

Tot Ion	Ratio	Lower	Upper
105	100		
134	21.1	10.3	30.8

Instrument :

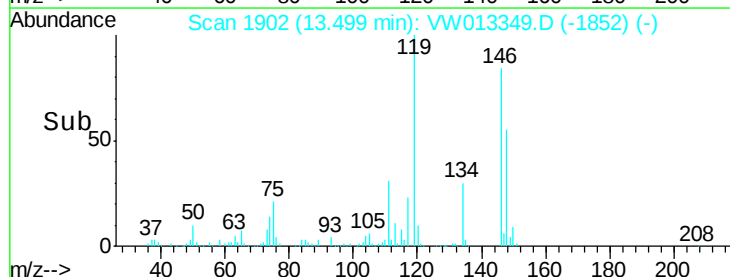
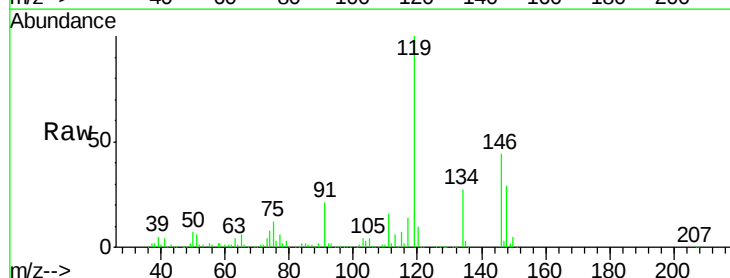
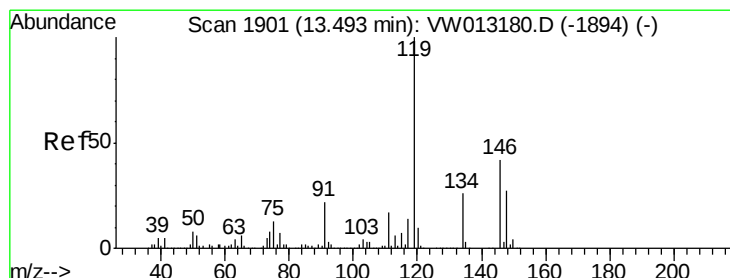
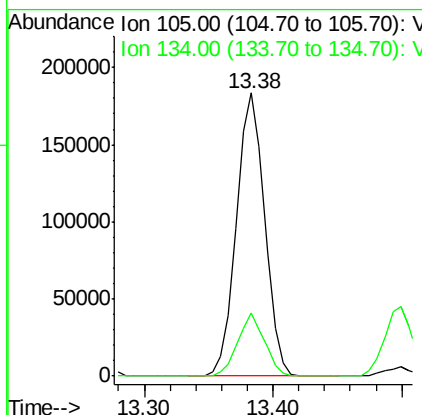
MSVOA_W

ClientSampleId :

VW0930SBSD01

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#86

p-Isopropyltoluene

Concen: 21.771 ug/l

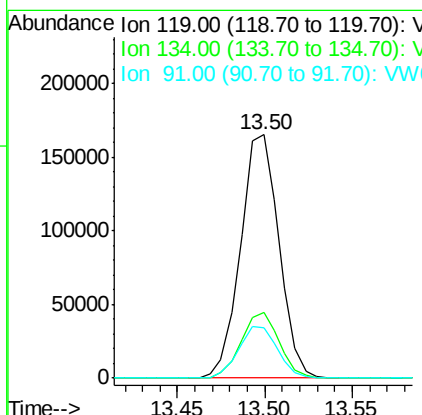
RT: 13.50 min Scan# 1902

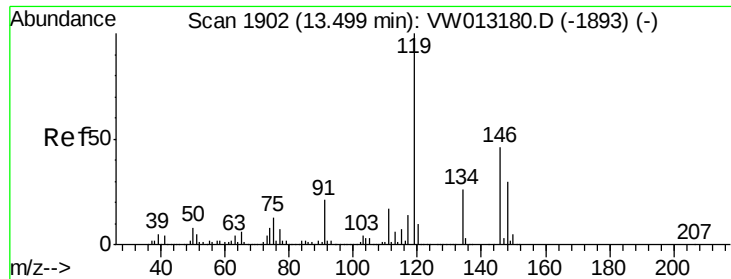
Delta R.T. 0.01 min

Lab File: VW013349.D

Acq: 30 Sep 2019 23:56

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.7	13.3	39.8
91	21.7	10.8	32.4





#87

1,3-Dichlorobenzene

Concen: 21.124 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW013349.D

Acq: 30 Sep 2019 23:56

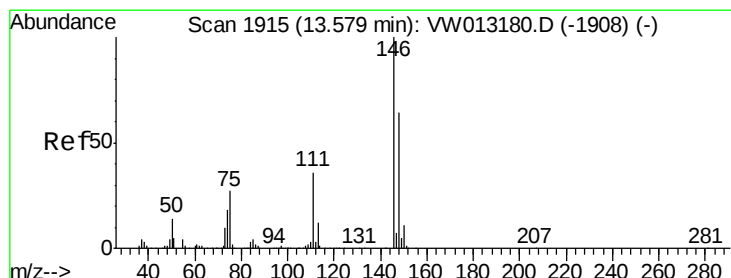
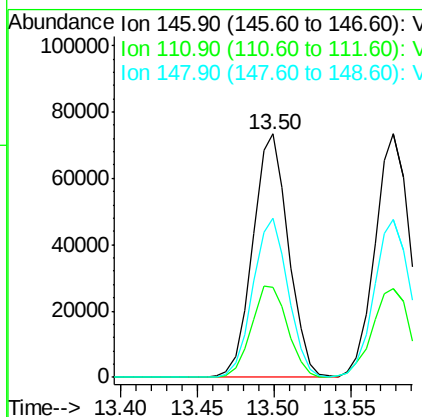
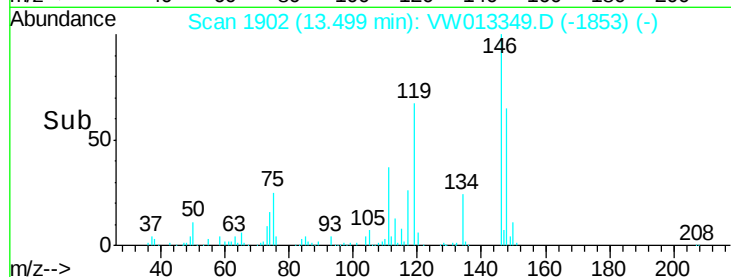
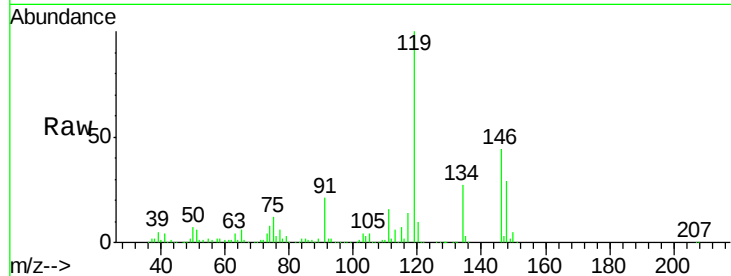
Instrument :
MSVOA_W

ClientSampleId :
VW0930SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	118682		
111	38.1	18.9	56.9	
148	64.8	31.9	95.5	

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#88

1,4-Dichlorobenzene

Concen: 21.219 ug/l

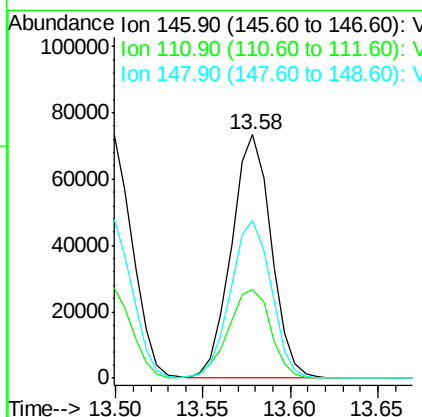
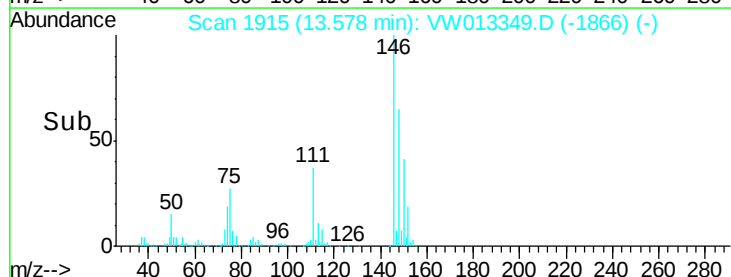
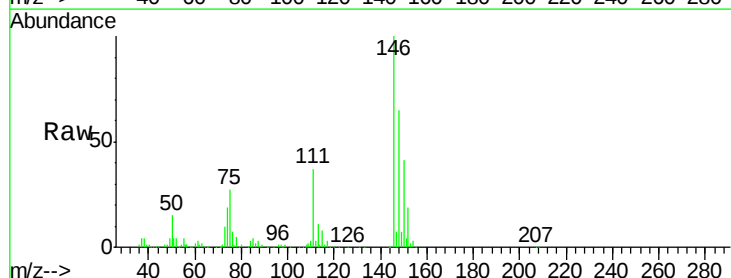
RT: 13.58 min Scan# 1915

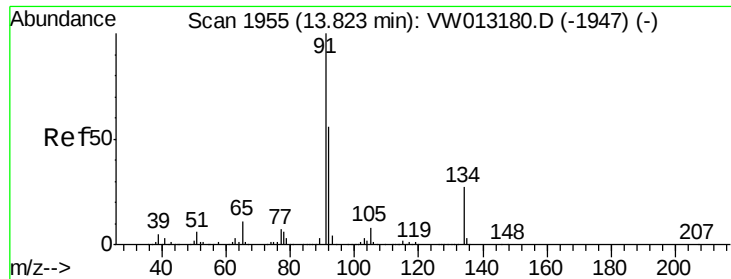
Delta R.T. -0.00 min

Lab File: VW013349.D

Acq: 30 Sep 2019 23:56

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	116920		
111	39.0	18.4	55.0	
148	66.1	32.1	96.3	





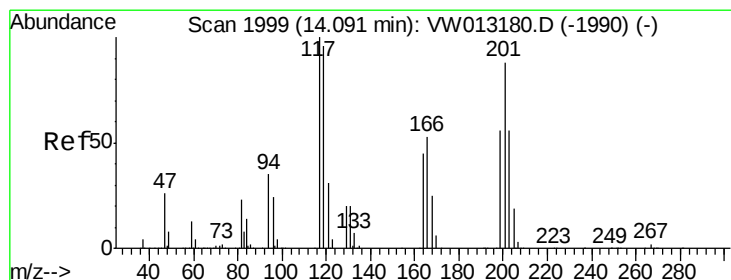
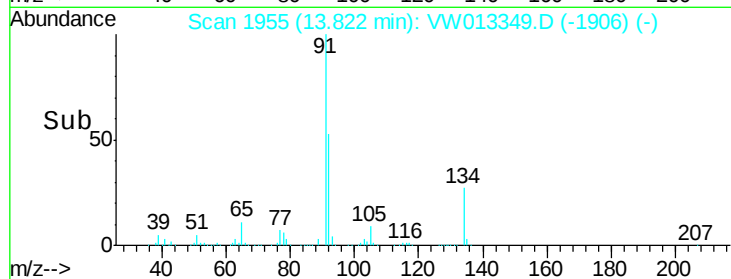
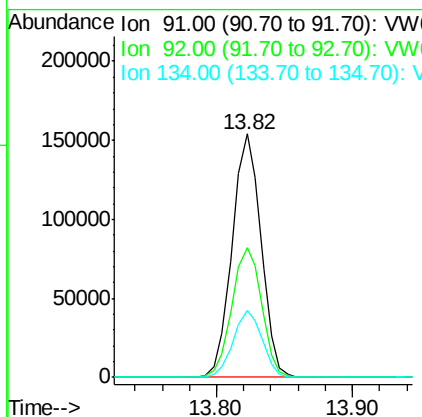
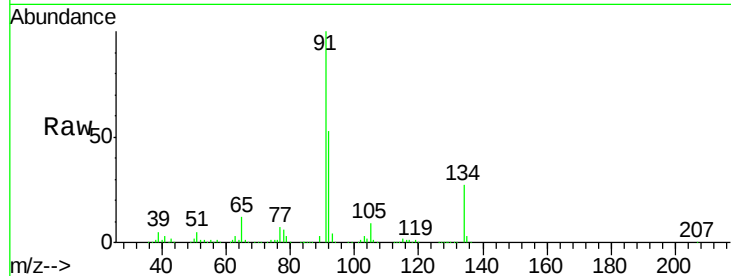
#89
n-Butylbenzene
Concen: 21.474 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW013349.D
Acq: 30 Sep 2019 23:56

Instrument :
MSVOA_W
ClientSampleId :
VW0930SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	227896		
92	54.7		27.6	82.8
134	27.5		13.7	41.1

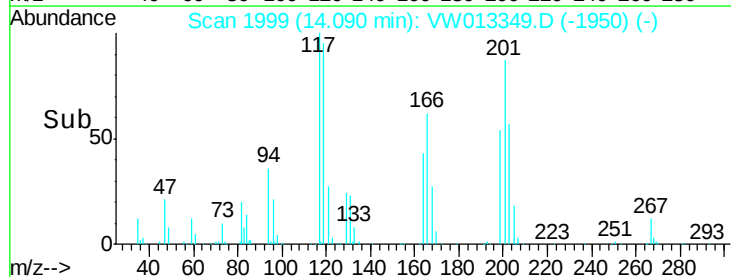
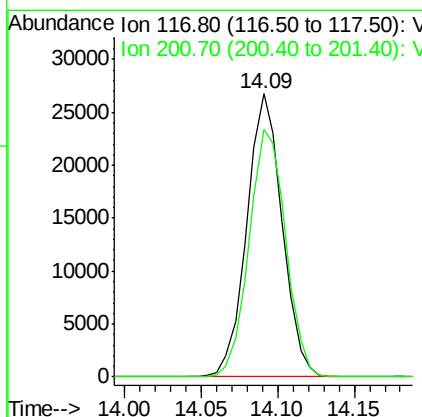
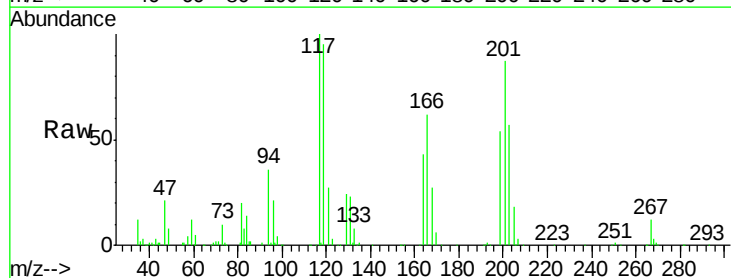
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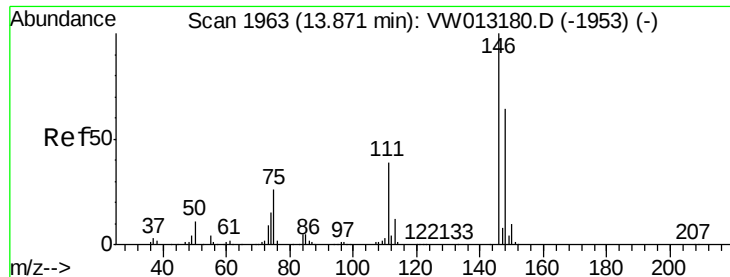
MMDadoda
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#90
Hexachloroethane
Concen: 22.022 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. -0.00 min
Lab File: VW013349.D
Acq: 30 Sep 2019 23:56

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	42999		
201	90.3		44.5	133.5





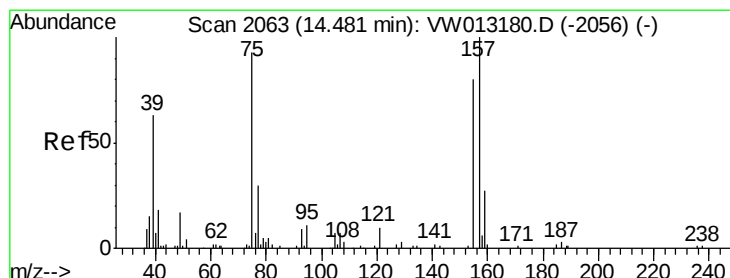
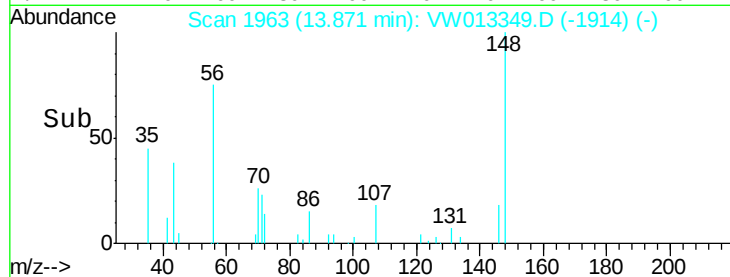
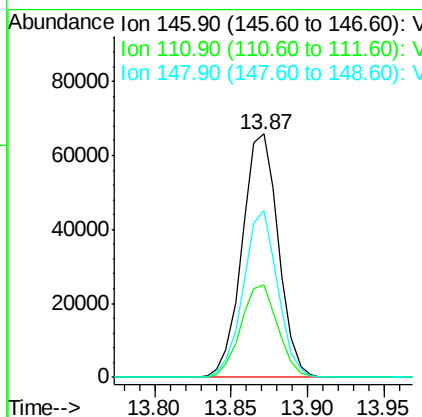
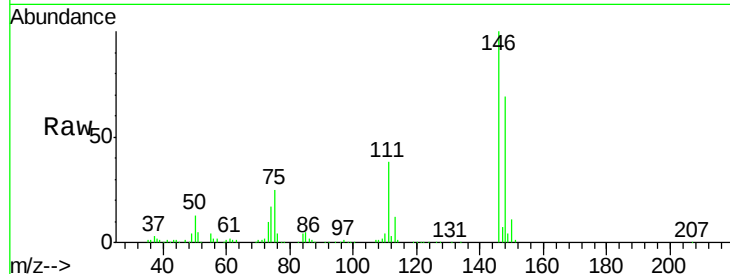
#91
 1,2-Dichlorobenzene
 Concen: 22.279 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW013349.D
 Acq: 30 Sep 2019 23:56

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0930SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.9	20.1	60.3
148	65.0	32.0	96.0

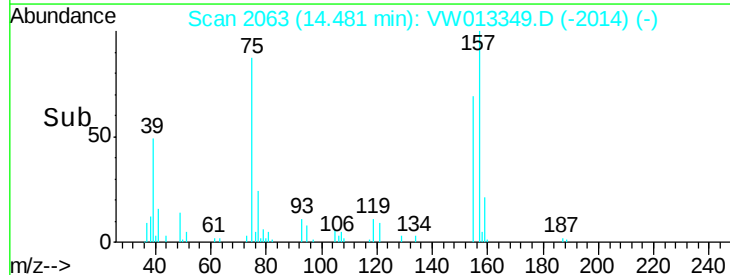
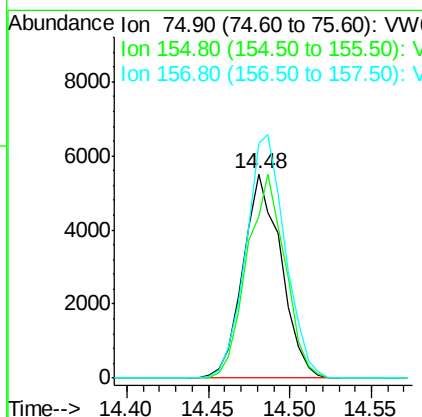
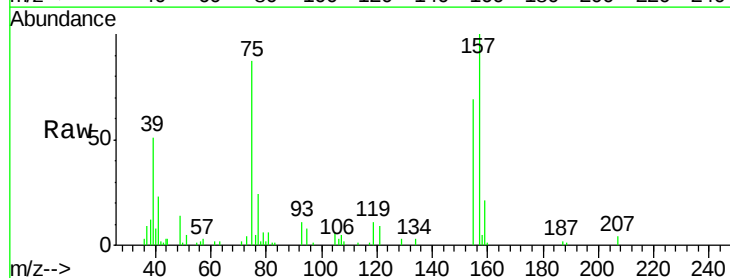
Manual Integrations
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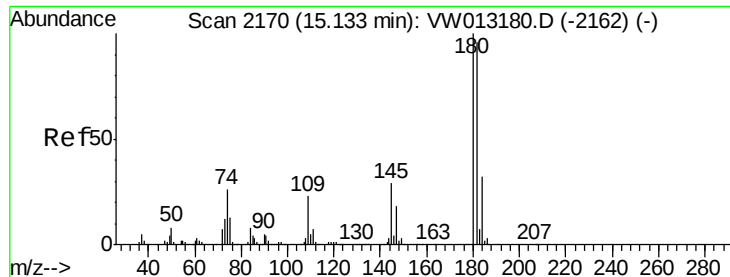
MMDadoda
 10/1/2019 11:33:02 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 28.309 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.00 min
 Lab File: VW013349.D
 Acq: 30 Sep 2019 23:56

Tgt Ion	Ratio	Lower	Upper
75	100		
155	99.4	46.1	138.3
157	123.1	60.4	181.2





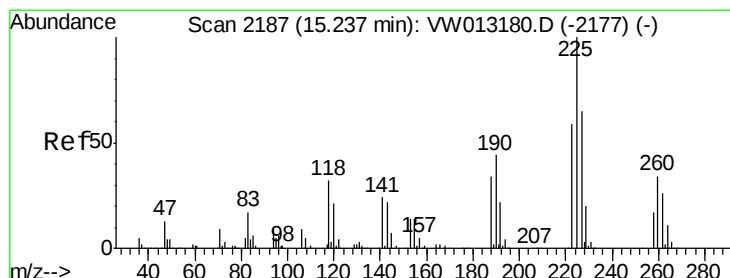
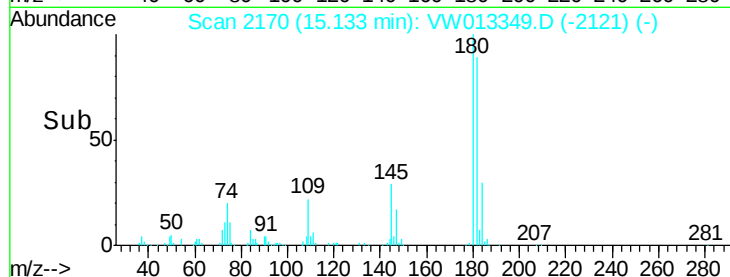
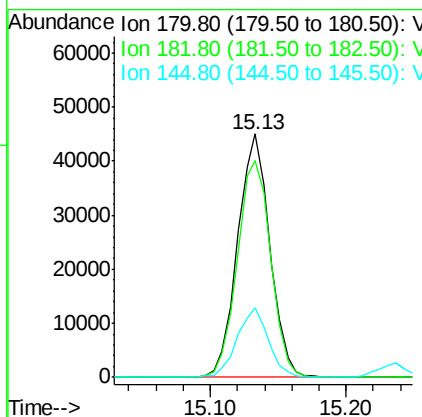
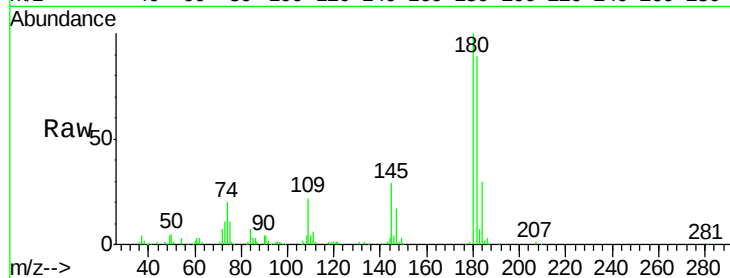
#93
 1,2,4-Trichlorobenzene
 Concen: 21.358 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW013349.D
 Acq: 30 Sep 2019 23:56

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0930SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	74392		
182	92.1	47.3	142.0	
145	27.5	14.2	42.8	

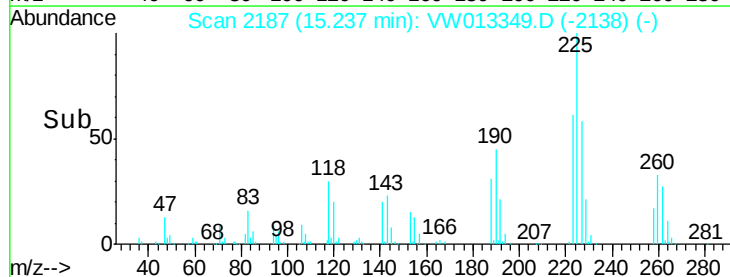
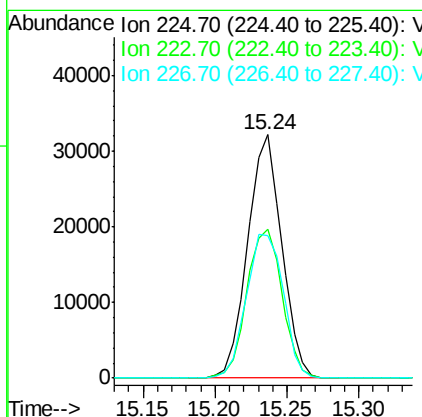
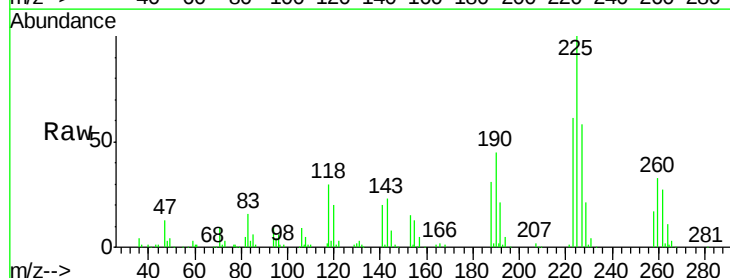
Manual Integrations
 APPROVED

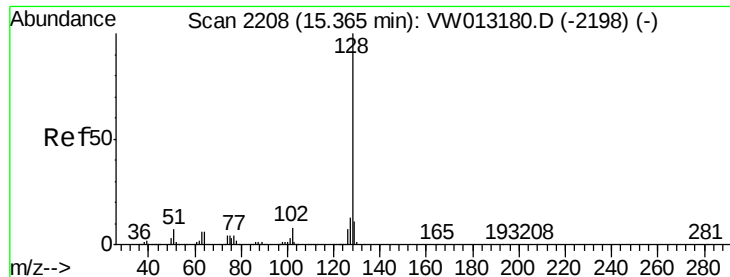
MMDadoda
 10/1/2019 11:33:02 AM



#94
 Hexachlorobutadiene
 Concen: 22.046 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW013349.D
 Acq: 30 Sep 2019 23:56

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	52534		
223	63.6	30.6	91.8	
227	64.4	31.9	95.9	





#95

Naphthalene

Concen: 24.439 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. -0.00 min

Lab File: VW013349.D

Acq: 30 Sep 2019 23:56

Instrument :

MSVOA_W

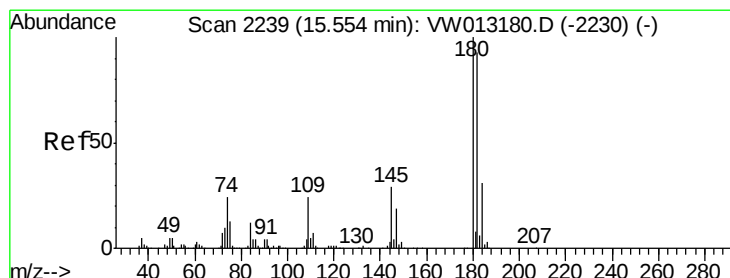
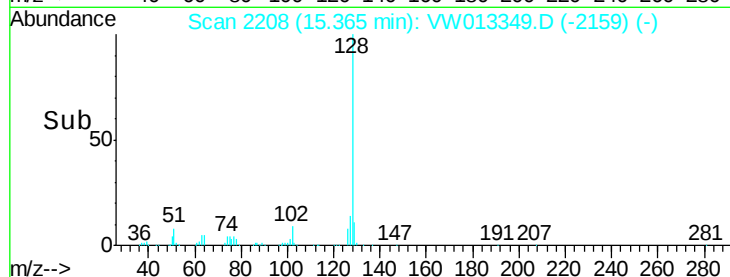
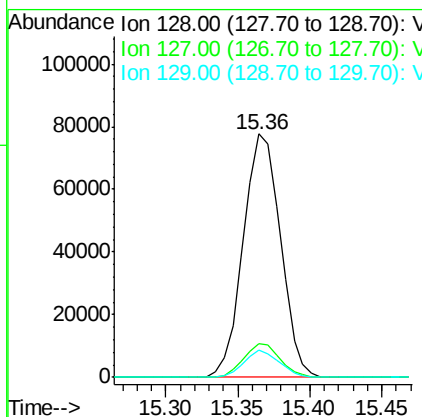
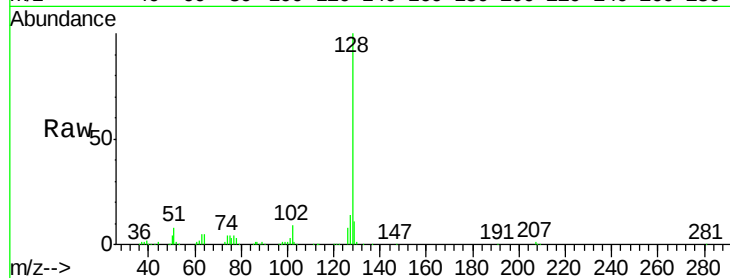
ClientSampleId :

VW0930SBSD01

Tot Ion:	128	Resp:	139220
Ion Ratio		Lower	Upper
128	100		
127	13.6	10.6	15.8
129	10.6	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
10/1/2019 11:33:02 AM



#96

1,2,3-Trichlorobenzene

Concen: 21.801 ug/l

RT: 15.55 min Scan# 2239

Delta R.T. -0.00 min

Lab File: VW013349.D

Acq: 30 Sep 2019 23:56

Tgt Ion:	180	Resp:	65612
Ion Ratio		Lower	Upper
180	100		
182	96.7	47.9	143.7
145	30.4	15.0	45.0

