

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW062919\
 Data File : VW011053.D
 Acq On : 28 Jun 2019 11:39
 Operator : SY/VA
 Sample : VW0629SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0629SBS01

Manual Integrations
 APPROVED

MMDadoda
 7/2/2019 12:53:00 AM

Quant Time: Jun 29 02:04:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W062819S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 28 01:55:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	224879	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	369398	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	322374	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	158001	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	147144	50.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.10%	
35) Dibromofluoromethane	7.88	113	112880	50.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.08%	
50) Toluene-d8	10.32	98	478936	51.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.16%	
62) 4-Bromofluorobenzene	12.62	95	171914	50.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.24%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	38706	22.832	ug/l	93
3) Chloromethane	2.21	50	47369	20.844	ug/l	98
4) Vinyl Chloride	2.36	62	62348	21.071	ug/l	99
5) Bromomethane	2.77	94	30323	20.588	ug/l	98
6) Chloroethane	2.92	64	31377	20.113	ug/l	99
7) Trichlorofluoromethane	3.25	101	17723	20.382	ug/l	97
8) Diethyl Ether	3.68	74	26907	19.539	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.06	101	48875	19.985	ug/l	100
10) Methyl Iodide	4.28	142	67148	19.625	ug/l	99
11) Tert butyl alcohol	5.17	59	16754	78.470	ug/l	99
12) 1,1-Dichloroethene	4.04	96	50398	19.798	ug/l	96
13) Acrolein	3.89	56	14713	88.368	ug/l	96
14) Allyl chloride	4.66	41	80290	19.597	ug/l	99
15) Acrylonitrile	5.36	53	62859	92.692	ug/l	99
16) Acetone	4.12	43	64434	89.793	ug/l	99
17) Carbon Disulfide	4.38	76	139610	19.332	ug/l	99
18) Methyl Acetate	4.67	43	36293	19.525	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	70264	19.502	ug/l	96
20) Methylene Chloride	4.92	84	55047	18.881	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	51318	19.564	ug/l	98
22) Diisopropyl ether	6.31	45	192878	19.563	ug/l	99
23) Vinyl Acetate	6.25	43	567719	93.454	ug/l	99
24) 1,1-Dichloroethane	6.21	63	101750	19.552	ug/l	99
25) 2-Butanone	7.17	43	97528	89.414	ug/l	98
26) 2,2-Dichloropropane	7.17	77	50025	18.514	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	54700	19.368	ug/l	100
28) Bromochloromethane	7.51	49	44665	18.436	ug/l	99
29) Tetrahydrofuran	7.52	42	61516	90.598	ug/l	99
30) Chloroform	7.67	83	91820	19.421	ug/l	99
31) Cyclohexane	7.95	56	111388	19.808	ug/l #	94
32) 1,1,1-Trichloroethane	7.87	97	69939	19.796	ug/l	99
36) 1,1-Dichloropropene	8.08	75	79420	20.003	ug/l	99
37) Ethyl Acetate	7.25	43	42664	18.471	ug/l	98
38) Carbon Tetrachloride	8.06	117	63981	19.568	ug/l	97

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MMDadoda
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 Quant Title : SW846 8260
 QLast Update : Fri Jun 28 01:55:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	97684	19.992	ug/l	95
40) Benzene	8.32	78	217675	19.933	ug/l	98
41) Methacrylonitrile	7.48	41	25026	17.809	ug/l	95
42) 1,2-Dichloroethane	8.40	62	70010	19.553	ug/l	100
43) Isopropyl Acetate	8.42	43	80357	18.391	ug/l	98
44) Trichloroethene	9.09	130	51812	19.632	ug/l	97
45) 1,2-Dichloropropane	9.37	63	58272	19.650	ug/l	95
46) Dibromomethane	9.46	93	26276	18.946	ug/l	98
47) Bromodichloromethane	9.65	83	65201	18.988	ug/l	99
48) Methyl methacrylate	9.43	41	39494	18.642	ug/l	100
49) 1,4-Dioxane	9.45	88	8022	344.009	ug/l	95
51) 4-Methyl-2-Pentanone	10.21	43	211537	91.972	ug/l	100
52) Toluene	10.38	92	132023	19.747	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	66513	18.597	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	82150	19.255	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	37203	18.987	ug/l	98
56) Ethyl methacrylate	10.65	69	54472	18.565	ug/l	98
57) 1,3-Dichloropropane	10.93	76	70785	18.991	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	136419	91.890	ug/l	98
59) 2-Hexanone	10.97	43	146947	91.615	ug/l	100
60) Dibromochloromethane	11.13	129	37840	18.416	ug/l	100
61) 1,2-Dibromoethane	11.23	107	35057	19.111	ug/l	98
64) Tetrachloroethene	10.86	164	44009	19.837	ug/l	98
65) Chlorobenzene	11.66	112	133068	20.165	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	43481	19.407	ug/l	99
67) Ethyl Benzene	11.73	91	256076	20.261	ug/l	100
68) m/p-Xylenes	11.84	106	184693	40.271	ug/l	99
69) o-Xylene	12.16	106	86289	20.200	ug/l	100
70) Styrene	12.18	104	150345	20.254	ug/l	99
71) Bromoform	12.35	173	20080	18.384	ug/l #	99
73) Isopropylbenzene	12.46	105	241586	20.410	ug/l	100
74) N-amyl acetate	12.27	43	76384	19.215	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	44984	19.353	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	32246m	19.331	ug/l	
77) Bromobenzene	12.75	156	53260	20.471	ug/l	96
78) n-propylbenzene	12.80	91	300942	20.531	ug/l	99
79) 2-Chlorotoluene	12.89	91	170297	20.336	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	205908	20.524	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	12361	18.576	ug/l	94
82) 4-Chlorotoluene	12.99	91	178069	20.405	ug/l	100
83) tert-Butylbenzene	13.21	119	170947	20.434	ug/l	100
84) 1,2,4-Trimethylbenzene	13.25	105	207165	20.430	ug/l	99
85) sec-Butylbenzene	13.38	105	249905	20.563	ug/l	100
86) p-Isopropyltoluene	13.50	119	224324	20.511	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	104492	20.304	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	103299	20.107	ug/l	100
89) n-Butylbenzene	13.82	91	227659	20.481	ug/l	100
90) Hexachloroethane	14.10	117	36205	19.348	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	92598	20.033	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	7375	18.670	ug/l	98

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MSVOA_W
ClientSampleId :
VW0629SBSD01

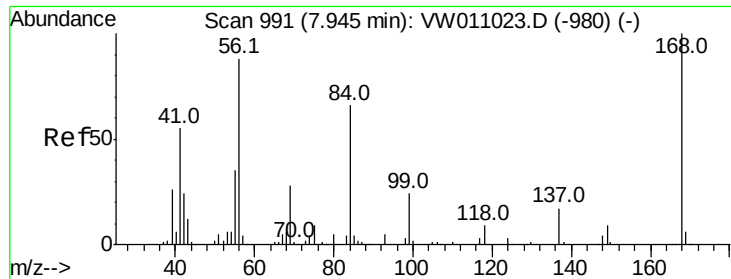
Manual Integrations
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7/2/2019 12:53:00 AM

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Quant Title : SW846 8260
QLast Update : Fri Jun 28 01:55:46 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	66775	20.533	ug/l	99
94) Hexachlorobutadiene	15.24	225	41061	20.817	ug/l	99
95) Naphthalene	15.37	128	121932	19.960	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	58545	20.161	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW011053.D

Acq: 28 Jun 2019 11:39

Instrument :

MSVOA_W

ClientSampleId :

VW0629SBS01

Tot Ion:168 Resp: 224879

Ion Ratio Lower Upper

168 100

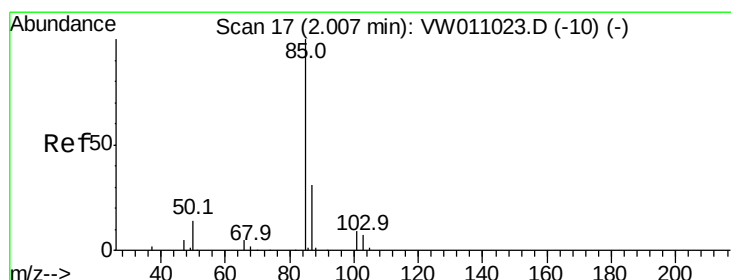
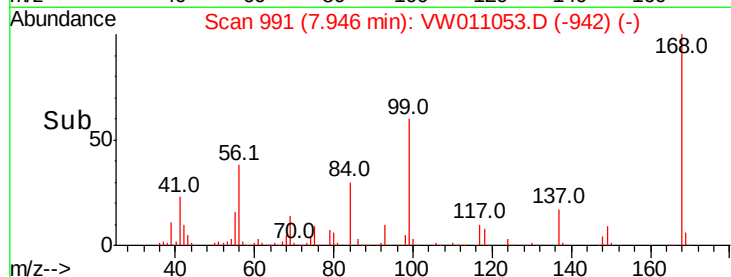
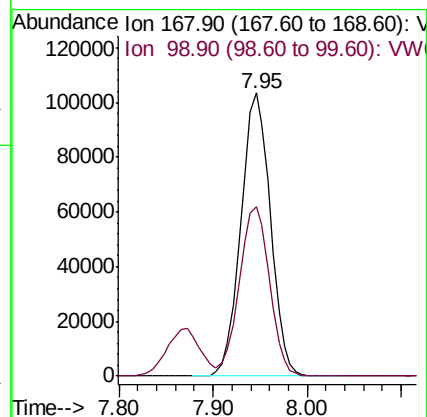
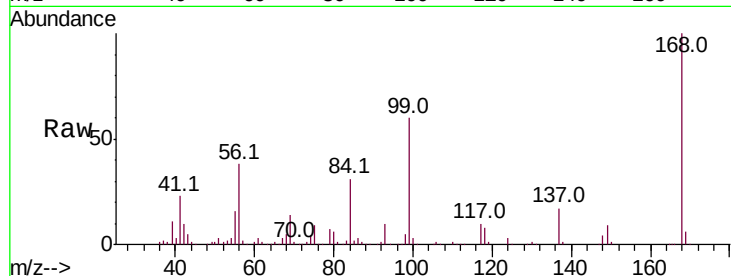
99 59.7 47.8 71.6

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 22.832 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW011053.D

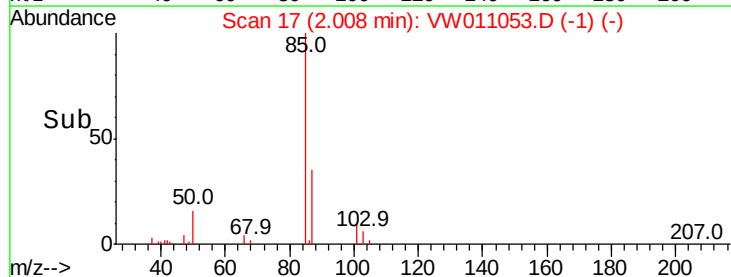
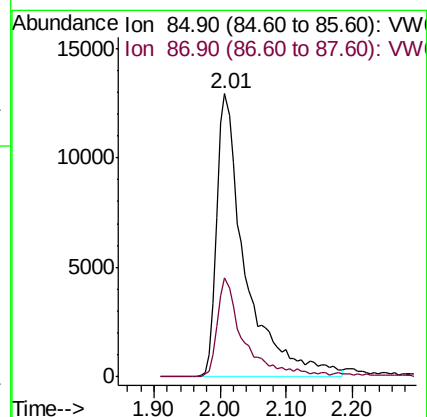
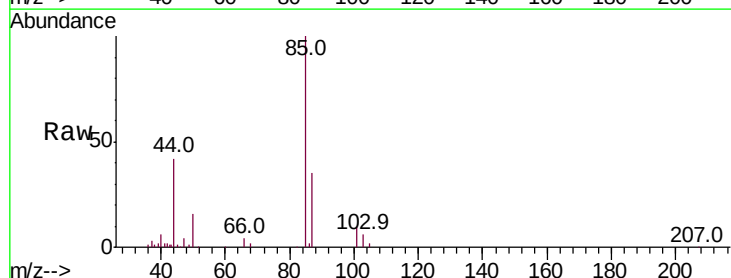
Acq: 28 Jun 2019 11:39

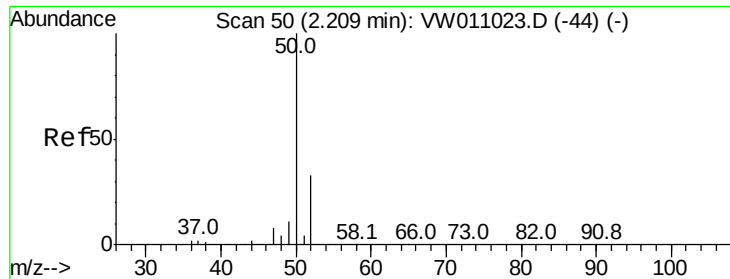
Tgt Ion: 85 Resp: 38706

Ion Ratio Lower Upper

85 100

87 35.2 15.7 47.0





#3

Chloromethane

Concen: 20.844 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW011053.D

Acq: 28 Jun 2019 11:39

Instrument :

MSVOA_W

ClientSampleId :

VW0629SBSD01

Tot Ion: 50 Resp: 47369

Ion Ratio Lower Upper

50 100

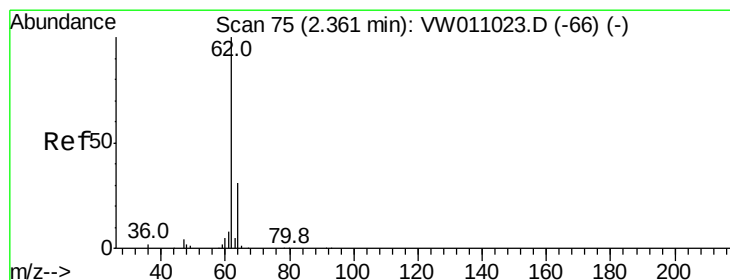
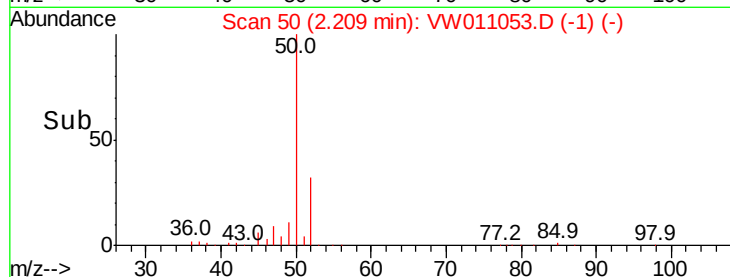
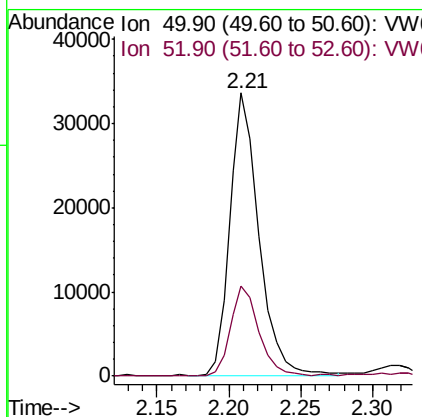
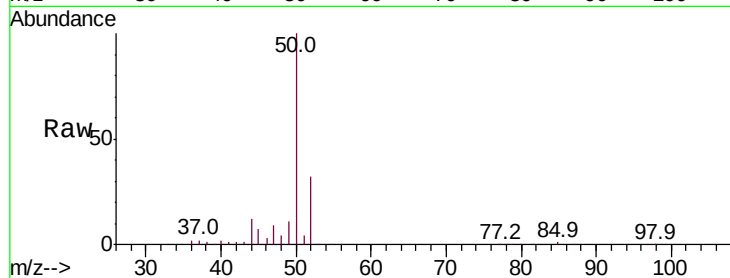
52 32.0 26.6 40.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 21.071 ug/l

RT: 2.36 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW011053.D

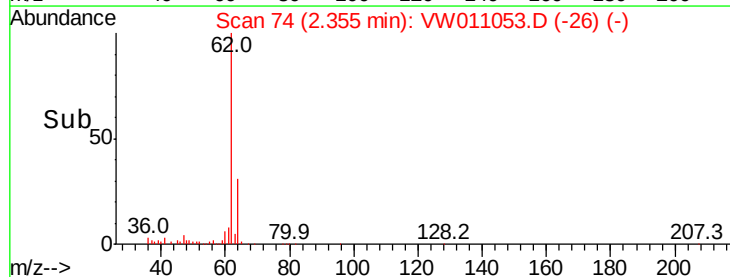
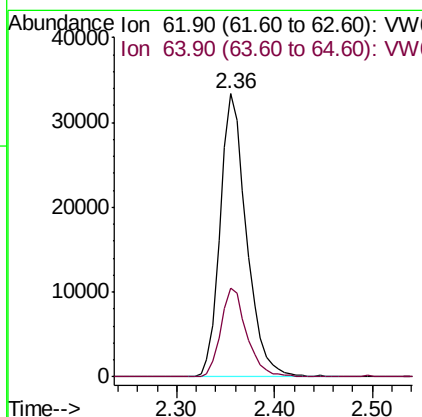
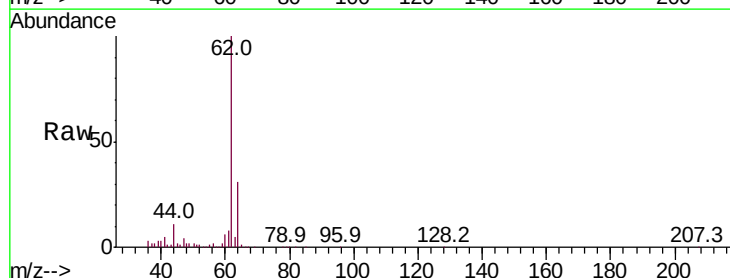
Acq: 28 Jun 2019 11:39

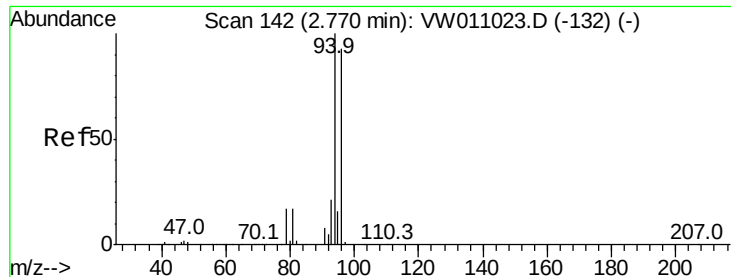
Tgt Ion: 62 Resp: 62348

Ion Ratio Lower Upper

62 100

64 31.4 24.8 37.2





#5

Bromomethane

Concen: 20.588 ug/l

RT: 2.77 min Scan# 142

Delta R.T. 0.00 min

Lab File: VW011053.D

Acq: 28 Jun 2019 11:39

Instrument :

MSVOA_W

ClientSampleId :

VW0629SBSD01

Tot Ion: 94 Resp: 30323

Ion Ratio Lower Upper

94 100

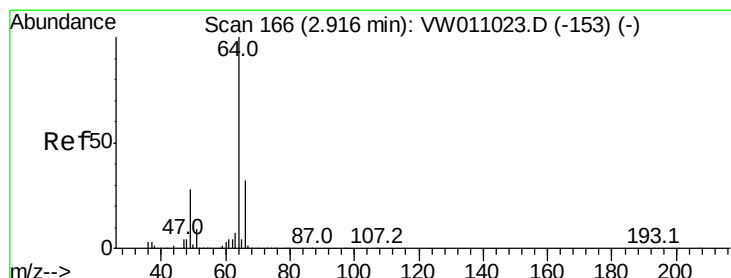
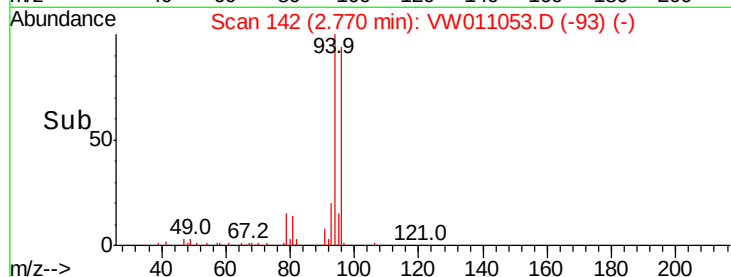
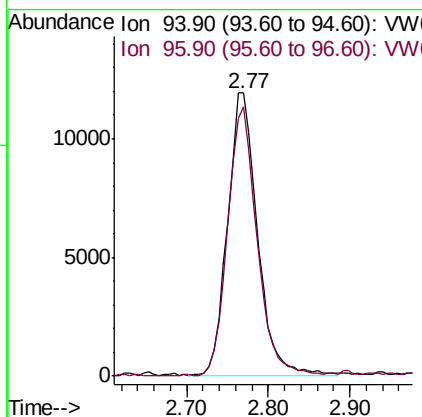
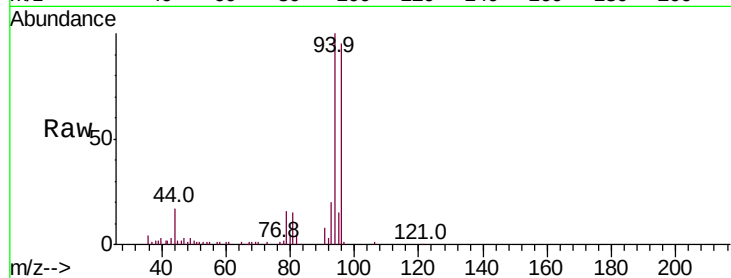
96 94.3 74.2 111.2

Manual Integrations

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#6

Chloroethane

Concen: 20.113 ug/l

RT: 2.92 min Scan# 166

Delta R.T. 0.00 min

Lab File: VW011053.D

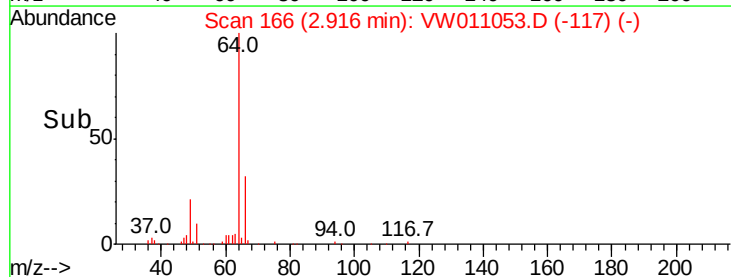
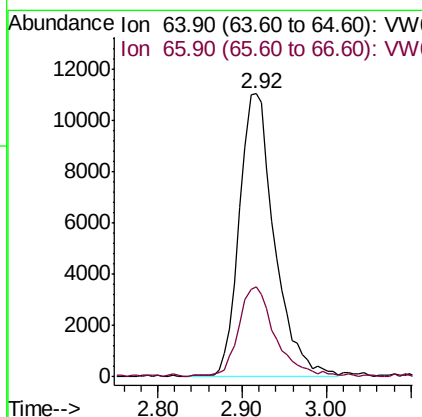
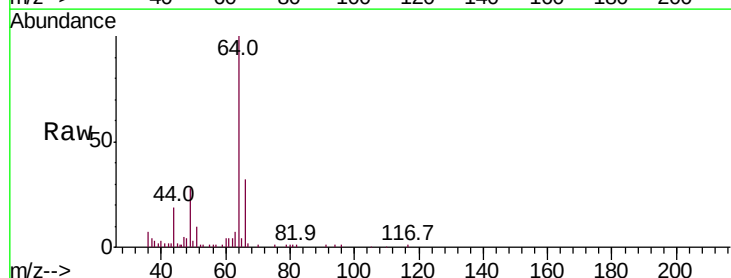
Acq: 28 Jun 2019 11:39

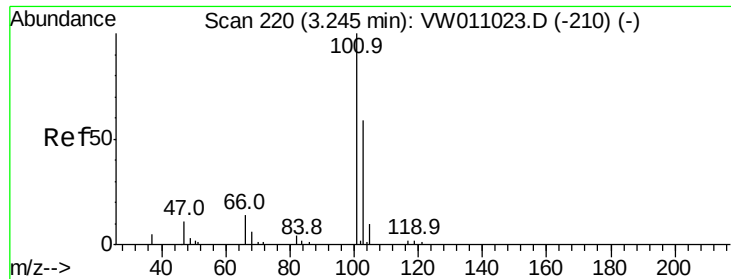
Tgt Ion: 64 Resp: 31377

Ion Ratio Lower Upper

64 100

66 31.7 25.7 38.5





#7

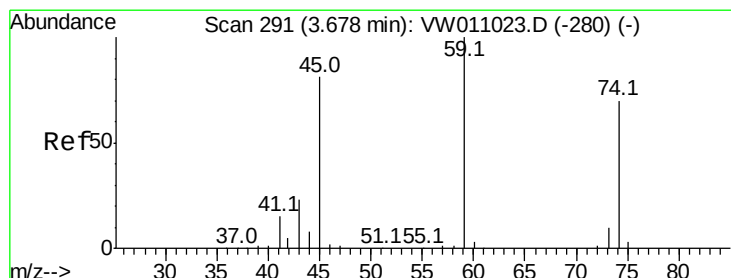
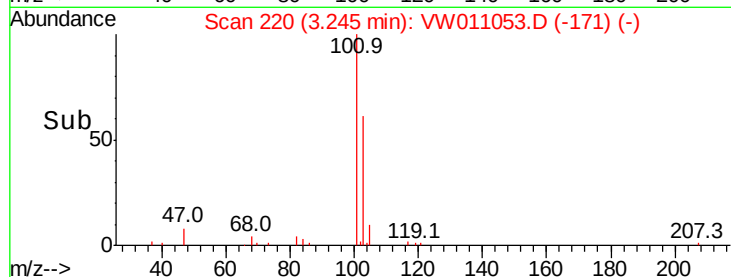
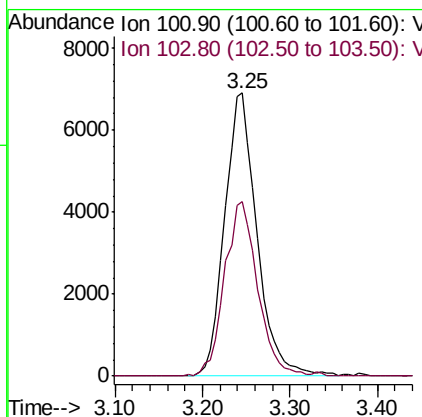
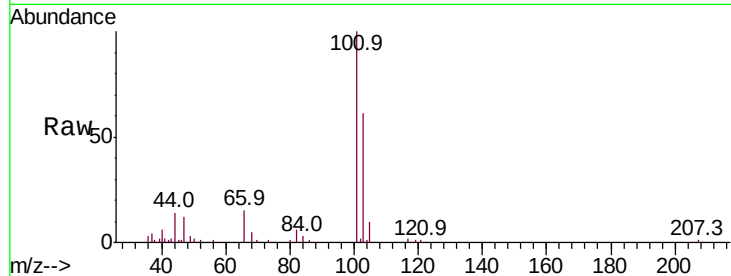
Trichlorofluoromethane
 Concen: 20.382 ug/l
 RT: 3.25 min Scan# 220
 Delta R.T. 0.00 min
 Lab File: VW011053.D
 Acq: 28 Jun 2019 11:39

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 ClientSampleId :
 VW0629SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	61.5	47.5	71.3

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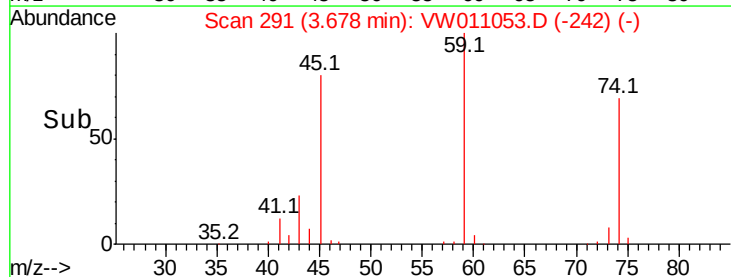
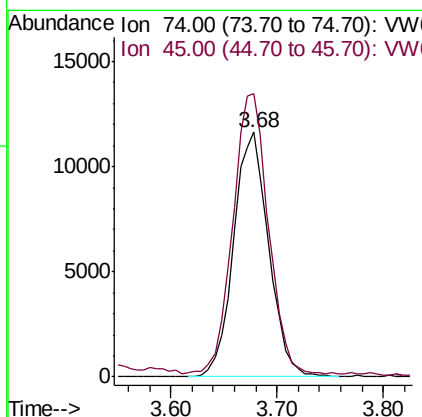
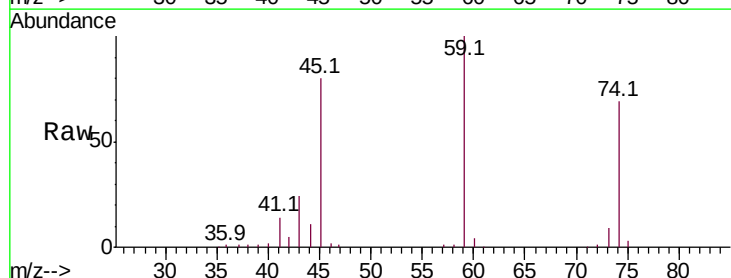
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 7/2/2019 12:53:00 AM

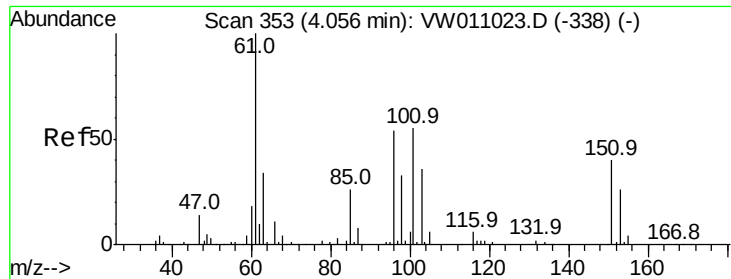


#8

Diethyl Ether
 Concen: 19.539 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. 0.00 min
 Lab File: VW011053.D
 Acq: 28 Jun 2019 11:39

Tgt Ion	Ratio	Lower	Upper
74	100		
45	115.6	59.5	178.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.985 ug/l

RT: 4.06 min Scan# 353

Delta R.T. 0.00 min

Lab File: VW011053.D

Acq: 28 Jun 2019 11:39

Instrument :

MSVOA_W

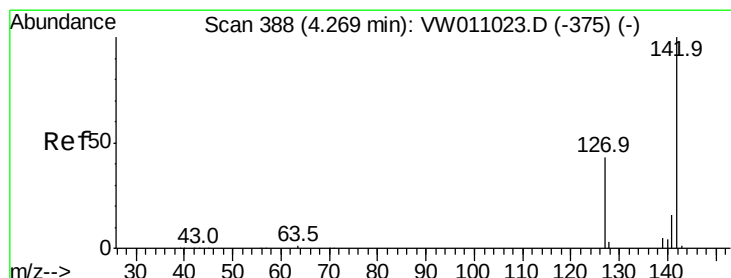
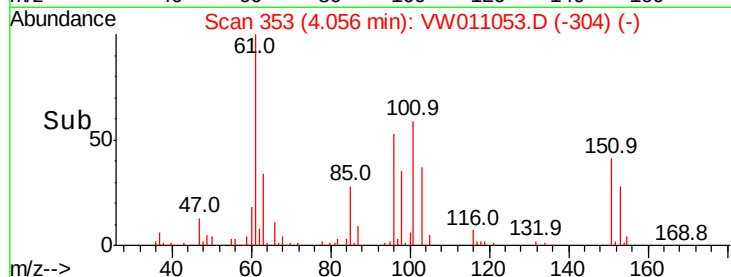
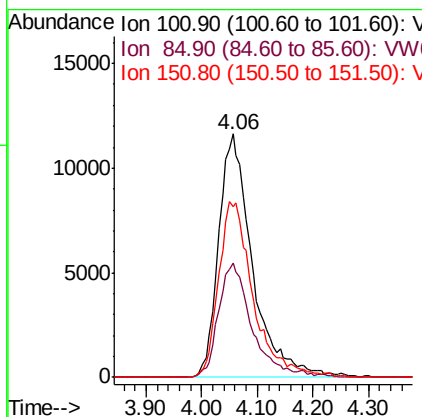
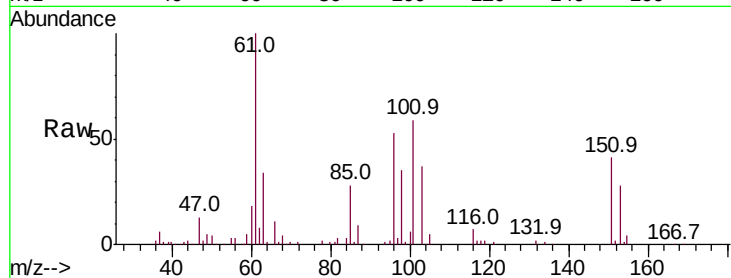
ClientSampleId :

VW0629SBS01

Tot Ion:	101	Resp:	48875
Ion Ratio	Lower	Upper	
101	100		
85	45.3	36.6	55.0
151	73.6	58.9	88.3

Manual Integrations
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7/2/2019 12:53:00 AM



#10

Methyl Iodide

Concen: 19.625 ug/l

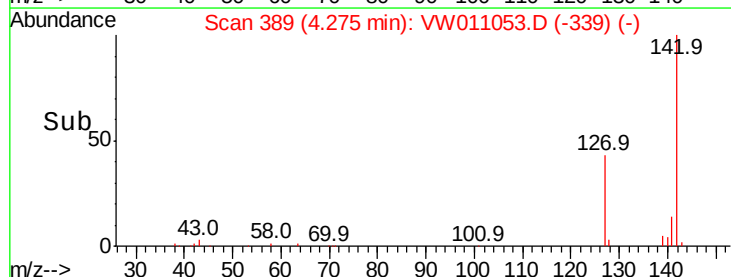
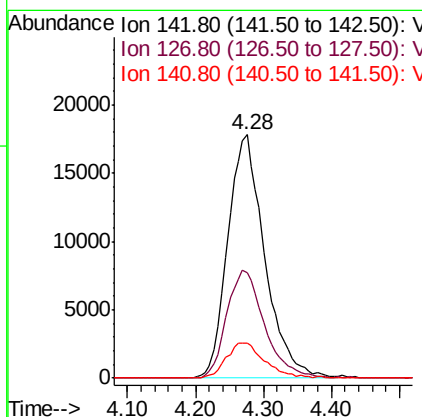
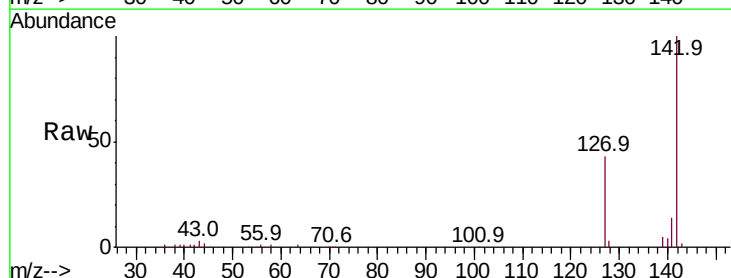
RT: 4.28 min Scan# 389

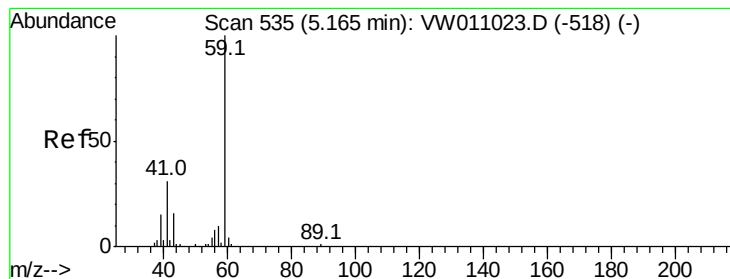
Delta R.T. 0.01 min

Lab File: VW011053.D

Acq: 28 Jun 2019 11:39

Tgt Ion:	142	Resp:	67148
Ion Ratio	Lower	Upper	
142	100		
127	45.3	35.8	53.8
141	14.9	12.2	18.2





#11

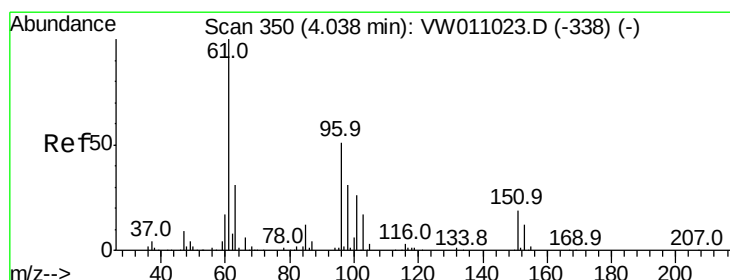
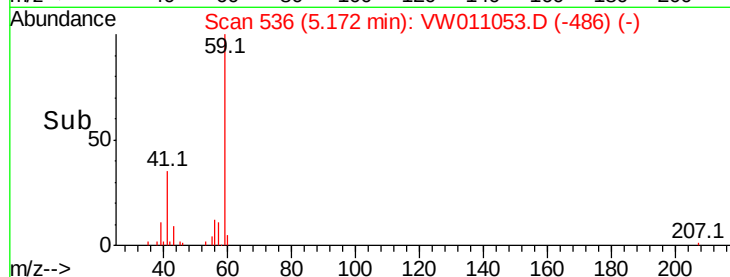
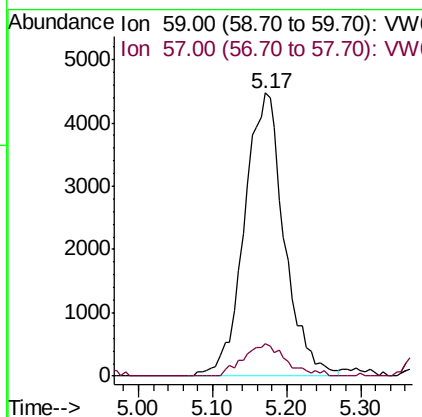
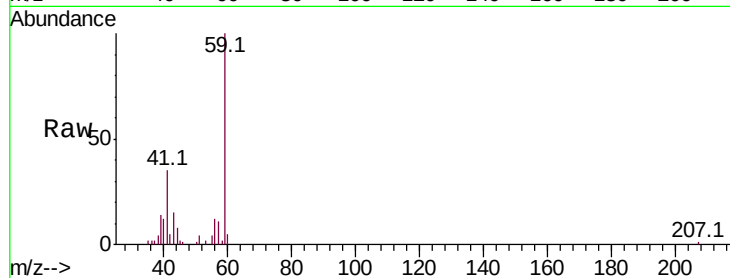
Tert butyl alcohol
Concen: 78.470 ug/l
RT: 5.17 min Scan# 536
Delta R.T. 0.01 min
Lab File: VW011053.D
Acq: 28 Jun 2019 11:39

Instrument :
MSVOA_W
ClientSampleId :
VW0629SBS01

Tot Ion	59	Resp	16754
Ion Ratio	59	100	
Lower	57	11.8	9.0
Upper			13.4

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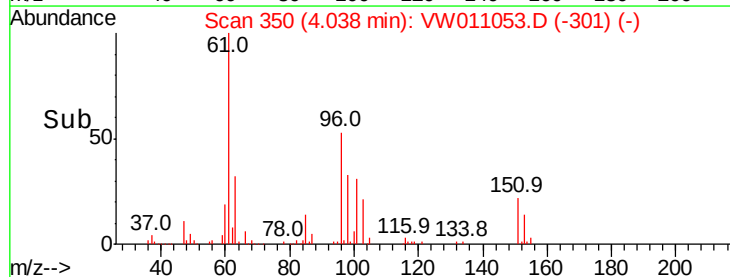
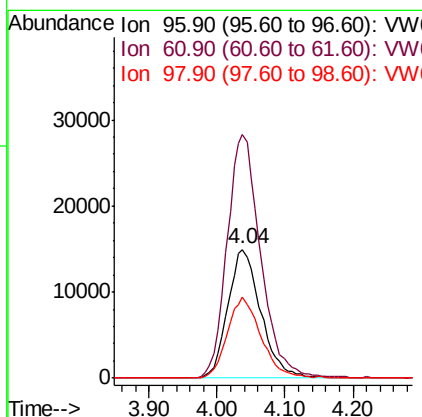
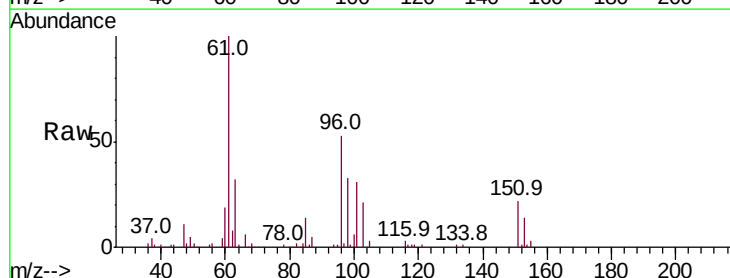
MMDadoda
7/2/2019 12:53:00 AM

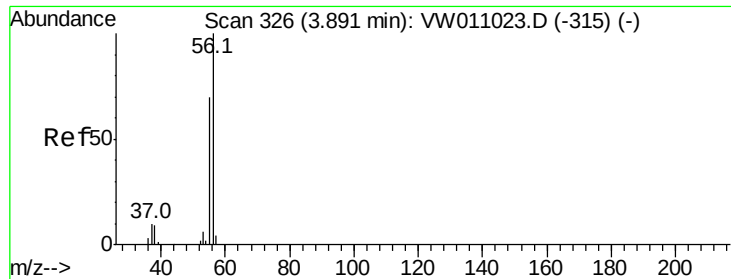


#12

1,1-Dichloroethene
Concen: 19.798 ug/l
RT: 4.04 min Scan# 350
Delta R.T. 0.00 min
Lab File: VW011053.D
Acq: 28 Jun 2019 11:39

Tgt Ion	96	Resp	50398
Ion Ratio	96	100	
Lower	61	189.4	156.0
Upper			234.0
	98	63.4	48.7
			73.1





#13

Acrolein

Concen: 88.368 ug/l

RT: 3.89 min Scan# 325

Delta R.T. -0.01 min

Lab File: VW011053.D

Acq: 28 Jun 2019 11:39

Instrument :

MSVOA_W

ClientSampleId :

VW0629SBSD01

Tot Ion: 56 Resp: 14713

Ion Ratio Lower Upper

56 100

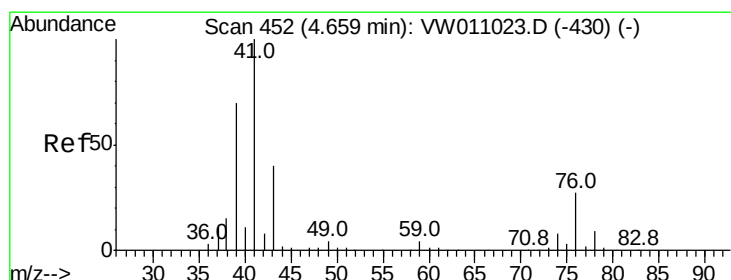
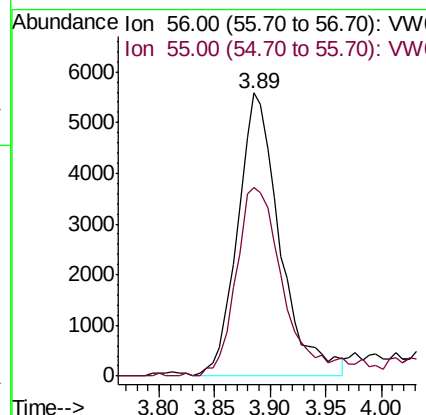
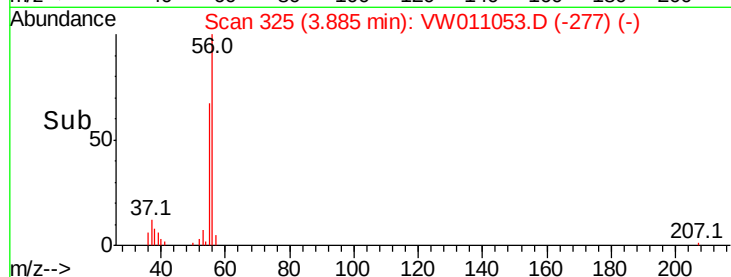
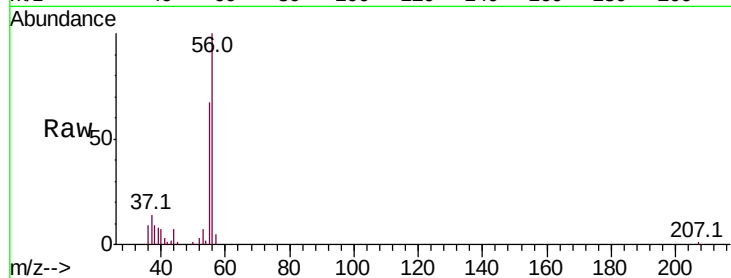
55 73.0 55.7 83.5

Manual Integrations

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#14

Allyl chloride

Concen: 19.597 ug/l

RT: 4.66 min Scan# 452

Delta R.T. 0.00 min

Lab File: VW011053.D

Acq: 28 Jun 2019 11:39

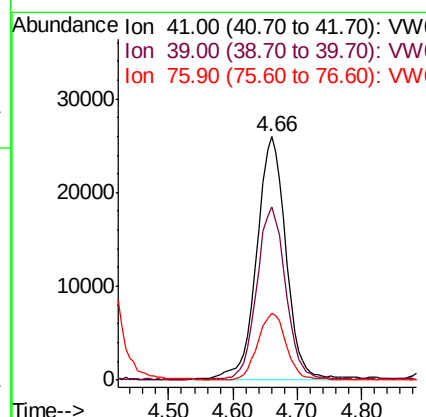
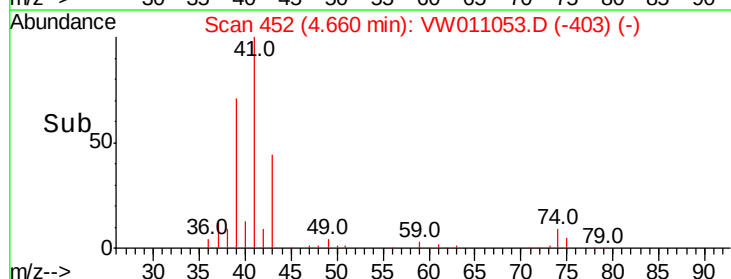
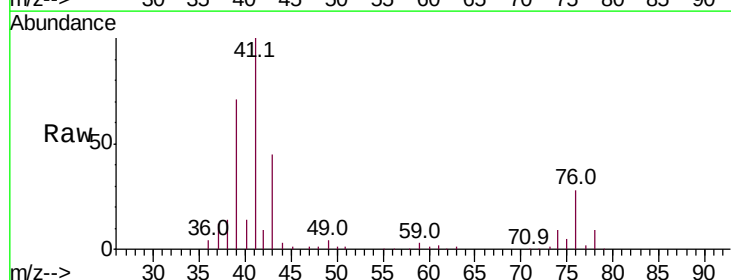
Tgt Ion: 41 Resp: 80290

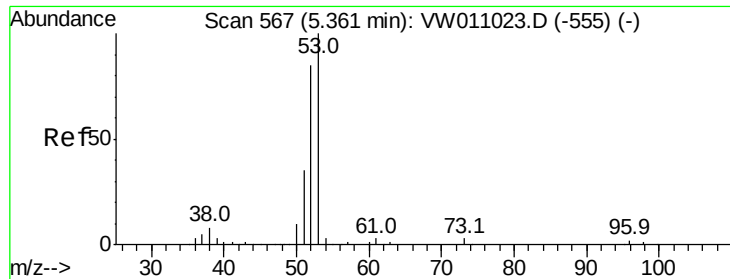
Ion Ratio Lower Upper

41 100

39 70.3 55.4 83.2

76 26.9 22.0 33.0





#15

Acrylonitrile

Concen: 92.692 ug/l

RT: 5.36 min Scan# 567

Delta R.T. 0.00 min

Lab File: VW011053.D

Acq: 28 Jun 2019 11:39

Instrument :

MSVOA_W

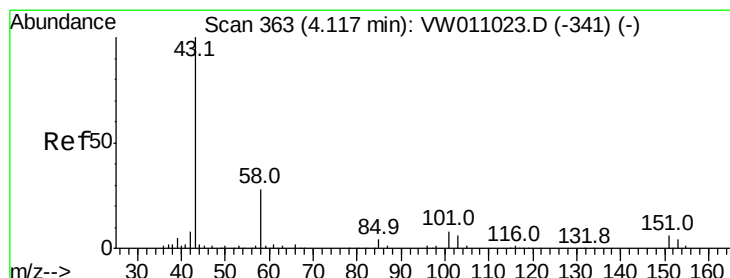
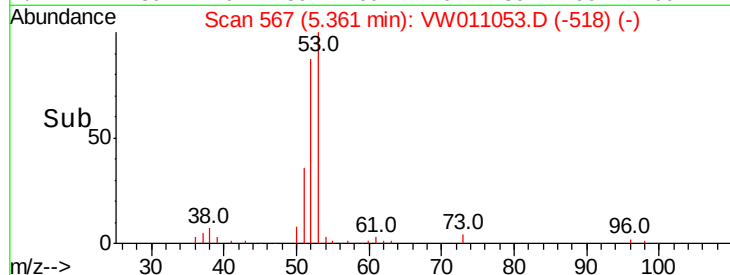
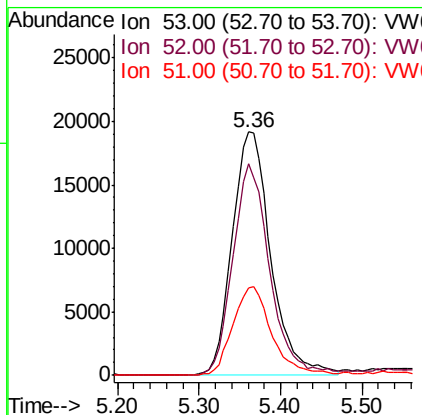
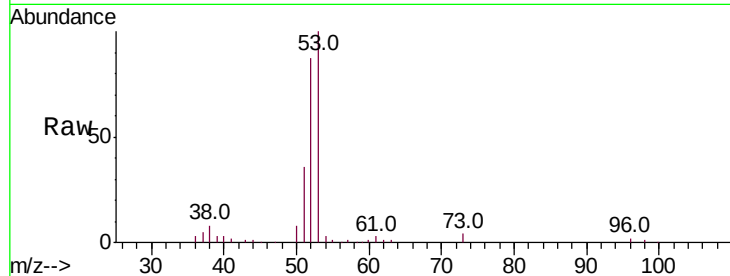
ClientSampleId :

VW0629SBSD01

Tot Ion:	53	Resp:	62859
Ion Ratio	Lower	Upper	
53	100		
52	83.6	66.3	99.5
51	36.8	29.8	44.6

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#16

Acetone

Concen: 89.793 ug/l

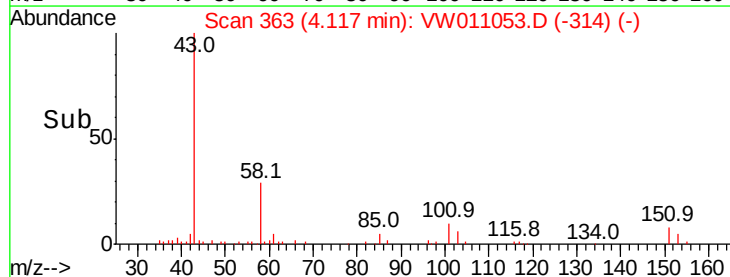
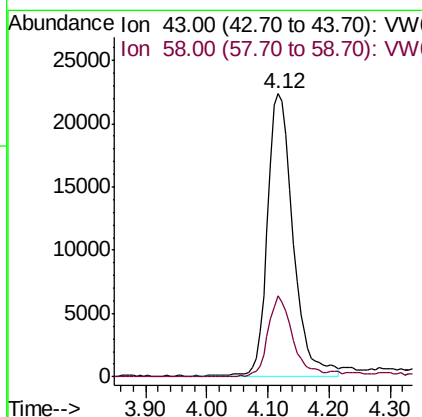
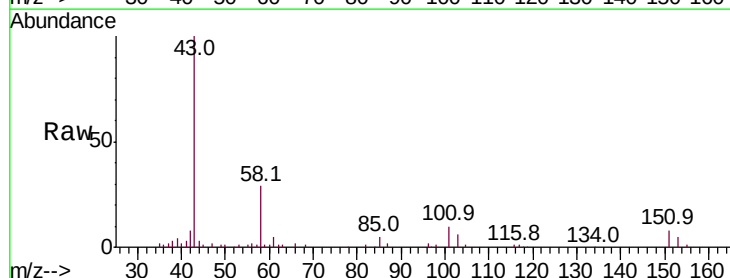
RT: 4.12 min Scan# 363

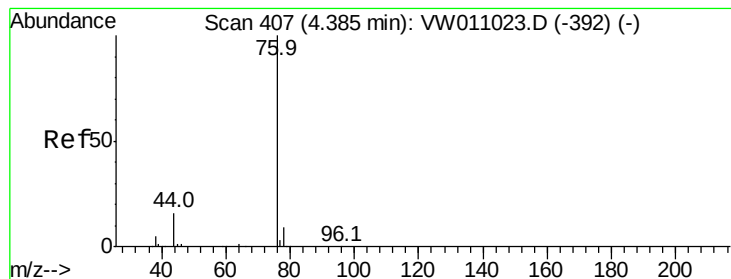
Delta R.T. 0.00 min

Lab File: VW011053.D

Acq: 28 Jun 2019 11:39

Tgt Ion:	43	Resp:	64434
Ion Ratio	Lower	Upper	
43	100		
58	28.7	22.5	33.7





#17

Carbon Disulfide

Concen: 19.332 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW011053.D

Acq: 28 Jun 2019 11:39

Instrument :

MSVOA_W

ClientSampleId :

VW0629SBSD01

Tot Ion: 76 Resp: 139610

Ion Ratio Lower Upper

76 100

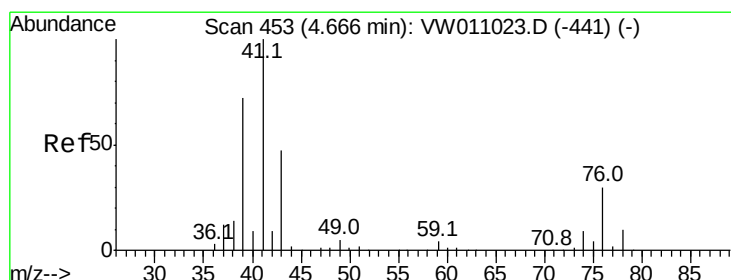
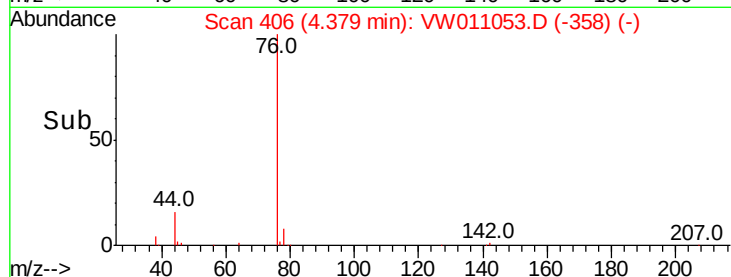
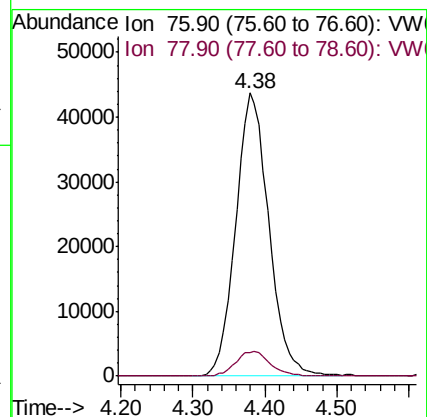
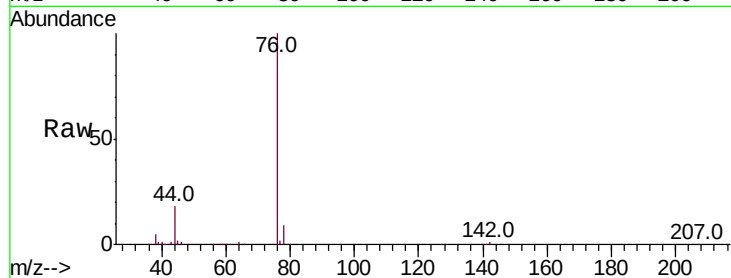
78 8.5 7.2 10.8

Manual Integrations

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#18

Methyl Acetate

Concen: 19.525 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW011053.D

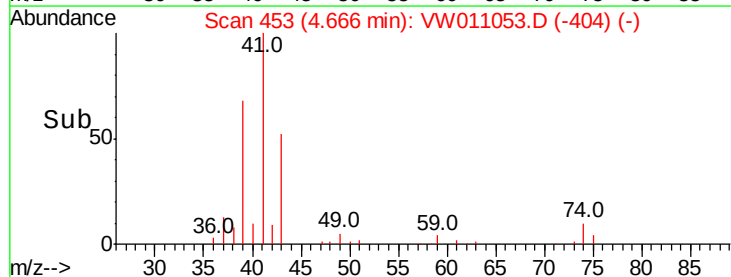
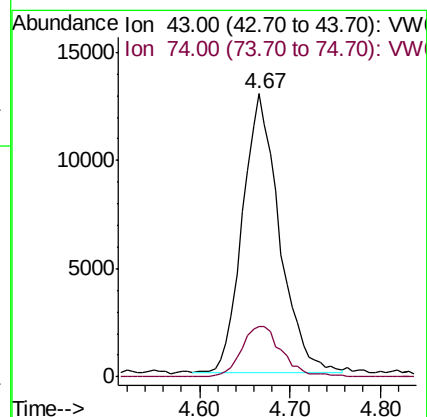
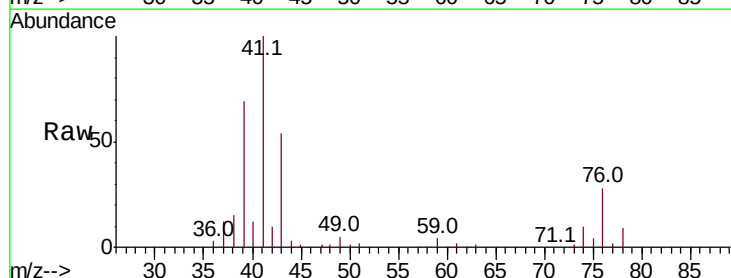
Acq: 28 Jun 2019 11:39

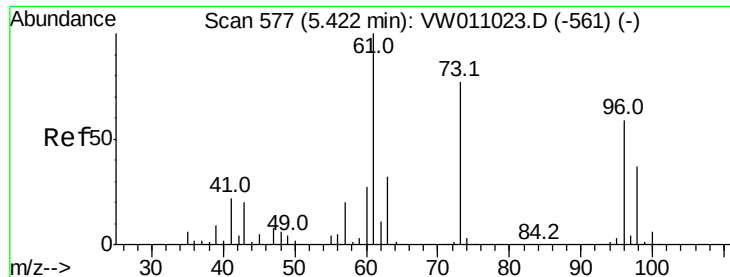
Tgt Ion: 43 Resp: 36293

Ion Ratio Lower Upper

43 100

74 19.9 15.8 23.8





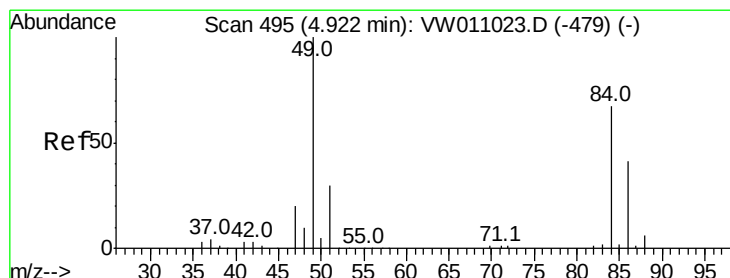
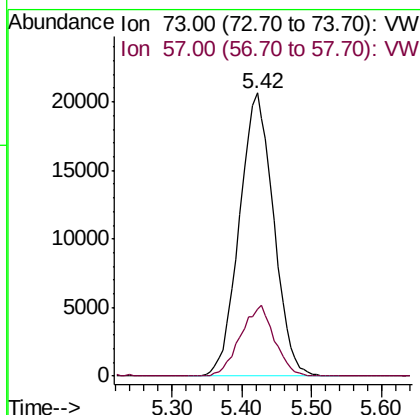
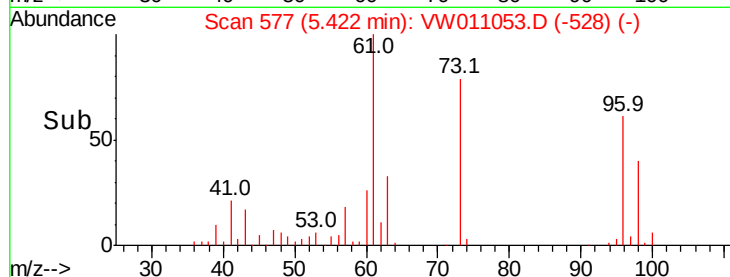
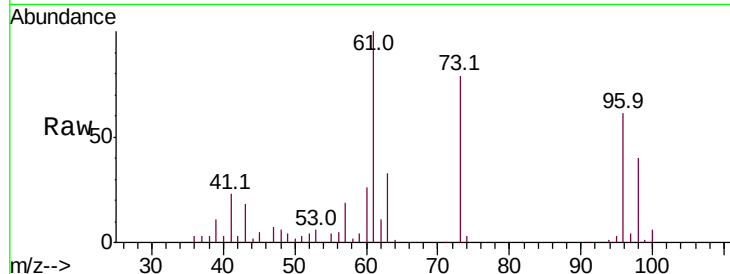
#19
Methyl tert-butyl Ether
Concen: 19.502 ug/l
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW011053.D
Acq: 28 Jun 2019 11:39

Instrument :
MSVOA_W
ClientSampleId :
VW0629SBS01

Tot Ion: 73 Resp: 70264
Ion Ratio Lower Upper
73 100
57 23.9 20.8 31.2

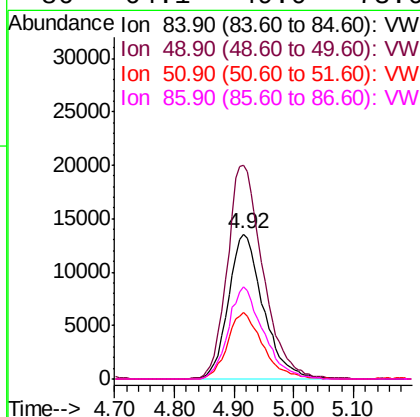
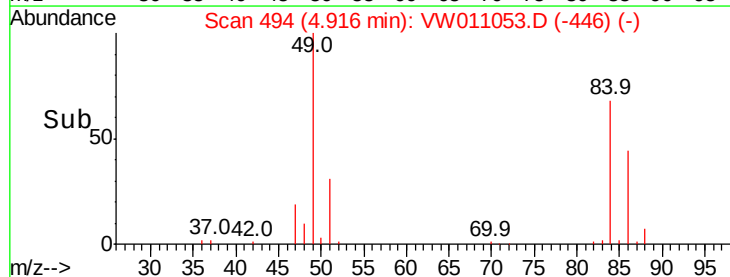
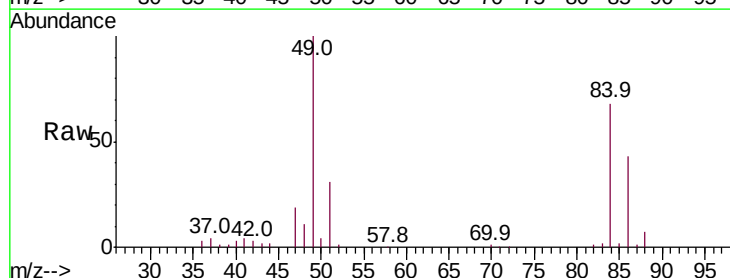
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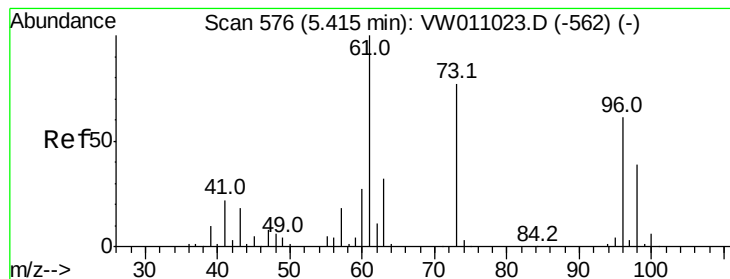
MMDadoda
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#20
Methylene Chloride
Concen: 18.881 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW011053.D
Acq: 28 Jun 2019 11:39

Tgt Ion: 84 Resp: 55047
Ion Ratio Lower Upper
84 100
49 147.5 119.6 179.4
51 46.0 35.6 53.4
86 64.1 49.0 73.6





#21

trans-1,2-Dichloroethene

Concen: 19.564 ug/l

RT: 5.42 min Scan# 576

Delta R.T. 0.00 min

Lab File: VW011053.D

Acq: 28 Jun 2019 11:39

Instrument :

MSVOA_W

ClientSampled :

VW0629SBS01

Tot Ion: 96 Resp: 51318

Ion Ratio Lower Upper

96 100

61 160.2 131.0 196.4

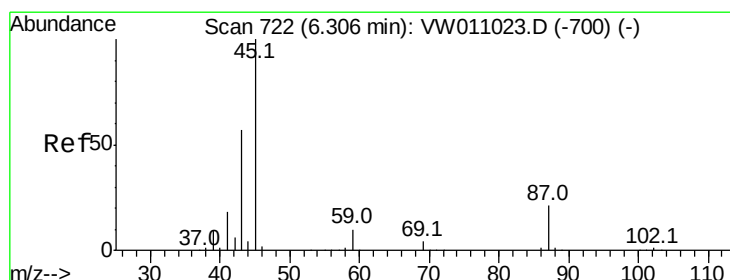
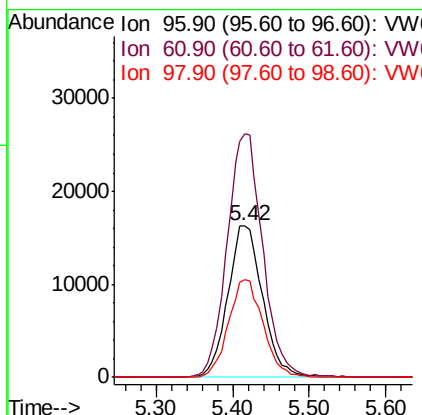
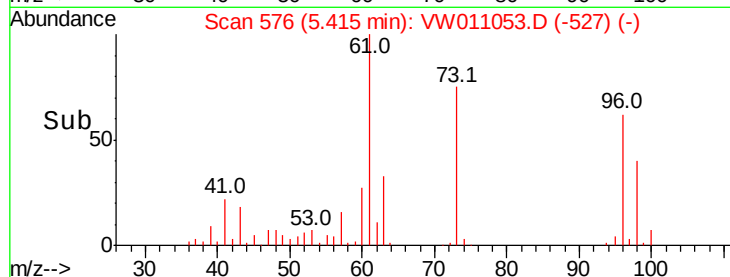
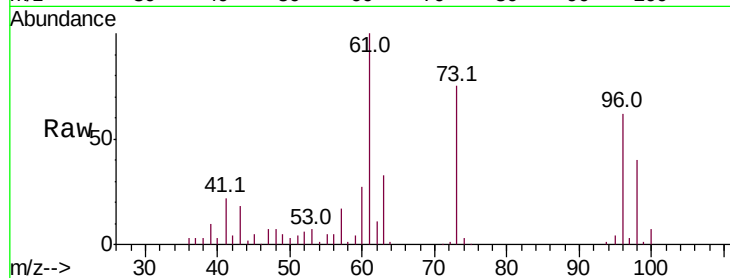
98 64.0 50.8 76.2

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#22

Diisopropyl ether

Concen: 19.563 ug/l

RT: 6.31 min Scan# 722

Delta R.T. 0.00 min

Lab File: VW011053.D

Acq: 28 Jun 2019 11:39

Tgt Ion: 45 Resp: 192878

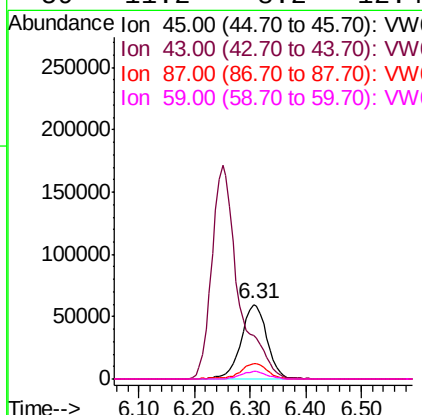
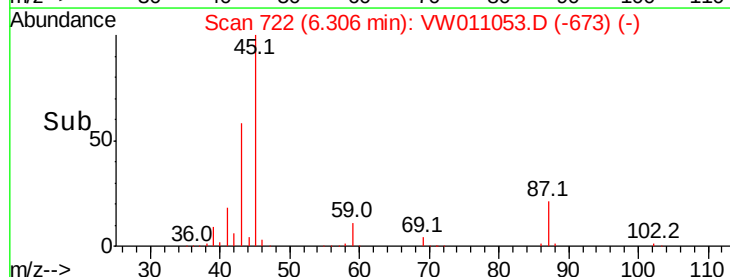
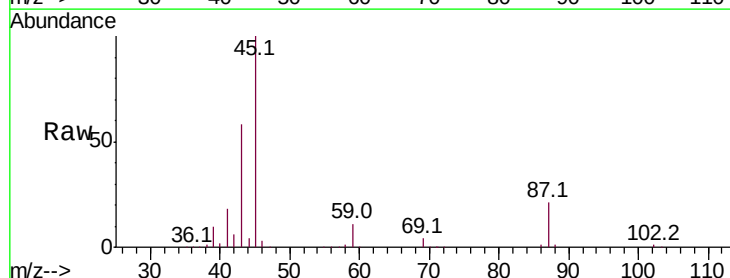
Ion Ratio Lower Upper

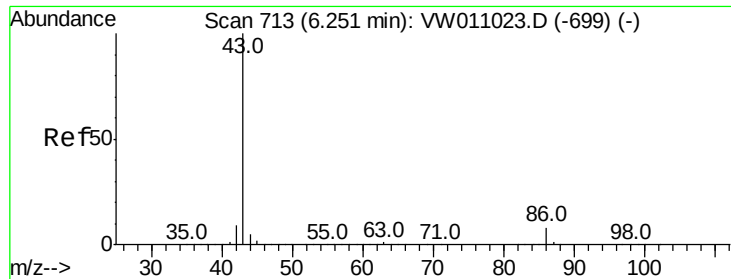
45 100

43 57.5 45.8 68.6

87 20.8 17.1 25.7

59 11.2 8.2 12.4





#23

Vinyl Acetate

Concen: 93.454 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW011053.D

Acq: 28 Jun 2019 11:39

Instrument :

MSVOA_W

ClientSampleId :

VW0629SBS01

Tot Ion: 43 Resp: 567719

Ion Ratio Lower Upper

43 100

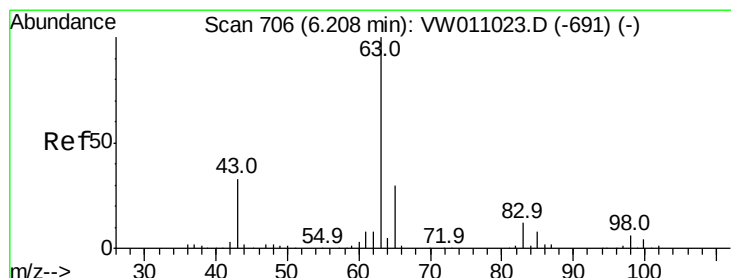
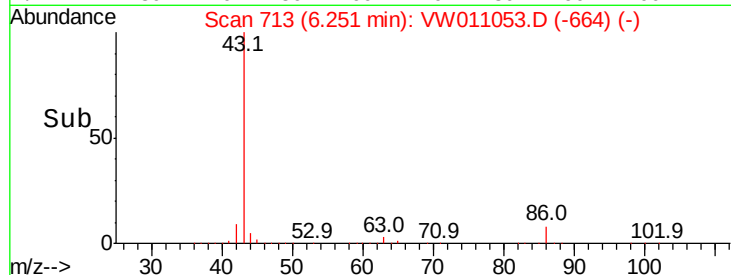
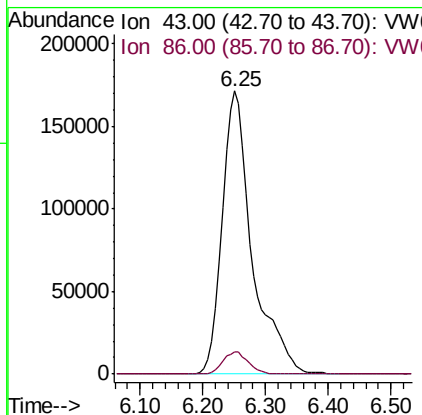
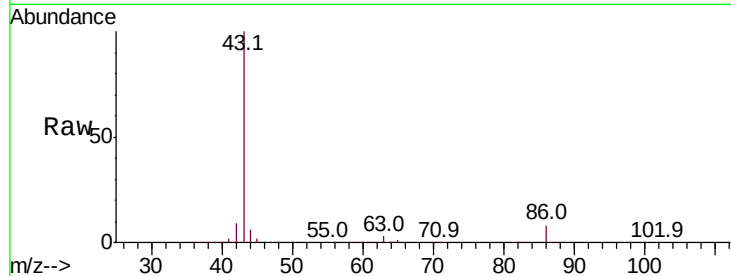
86 7.9 6.6 10.0

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 19.552 ug/l

RT: 6.21 min Scan# 706

Delta R.T. 0.00 min

Lab File: VW011053.D

Acq: 28 Jun 2019 11:39

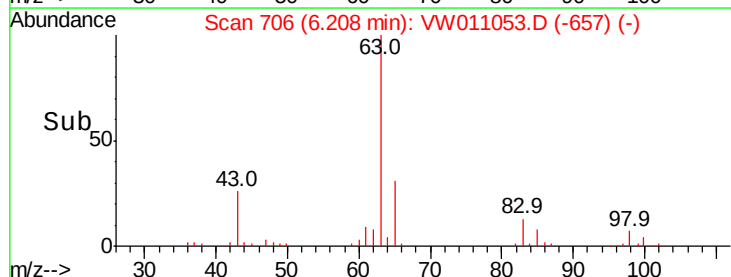
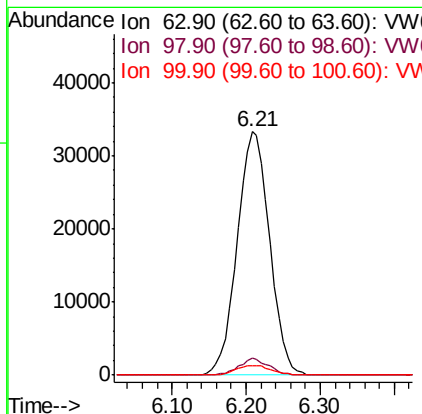
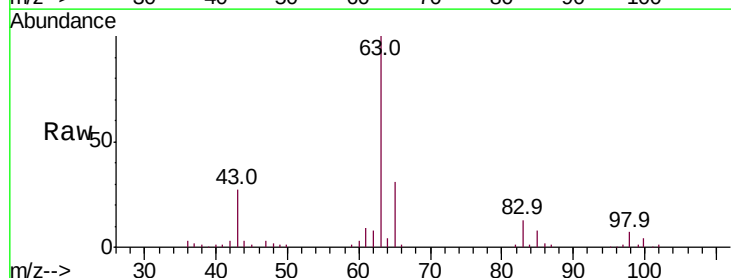
Tgt Ion: 63 Resp: 101750

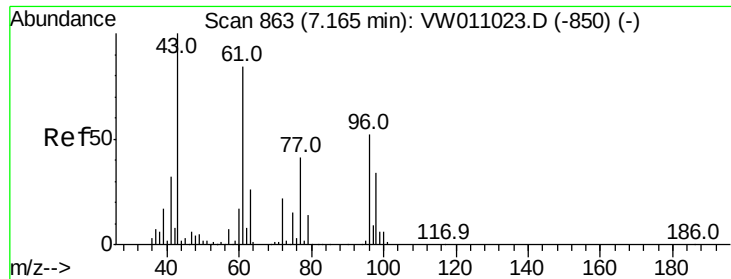
Ion Ratio Lower Upper

63 100

98 7.0 3.1 9.4

100 4.0 2.1 6.2





#25

2-Butanone

Concen: 89.414 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW011053.D

Acq: 28 Jun 2019 11:39

Instrument :

MSVOA_W

ClientSampled :

VW0629SBS01

Tot Ion: 43 Resp: 97528

Ion Ratio Lower Upper

43 100

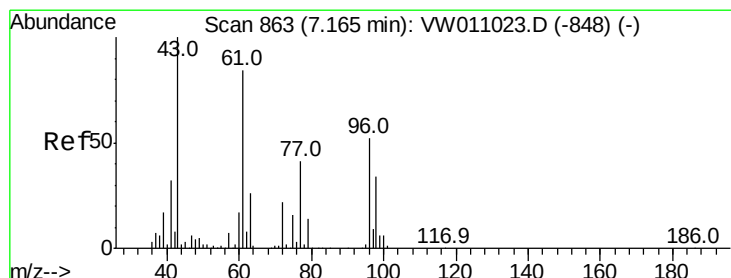
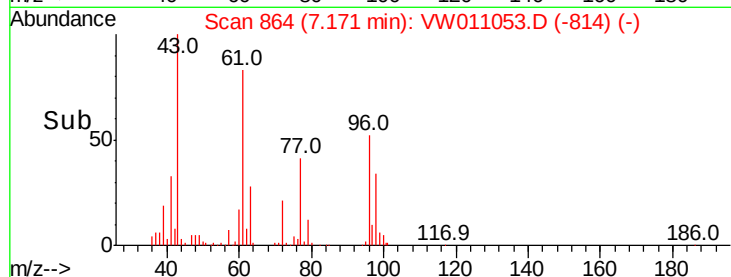
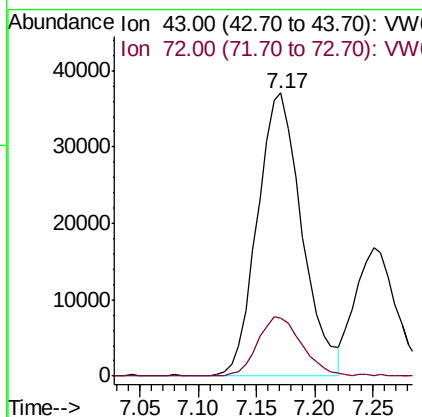
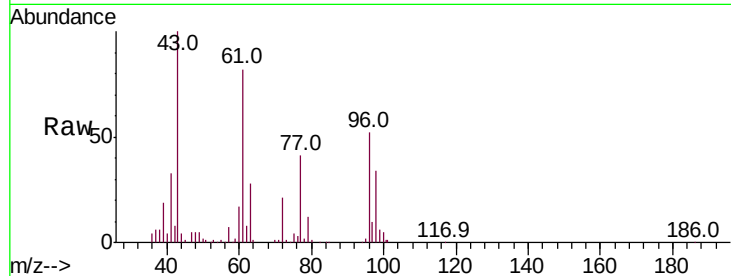
72 20.7 17.2 25.8

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 18.514 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW011053.D

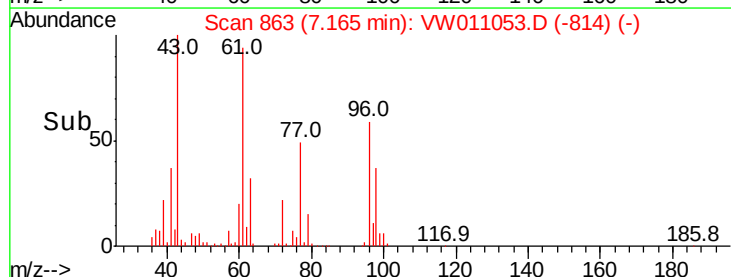
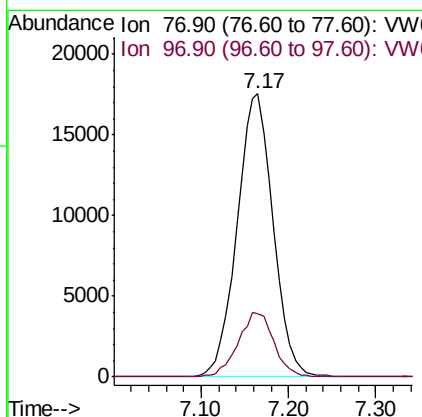
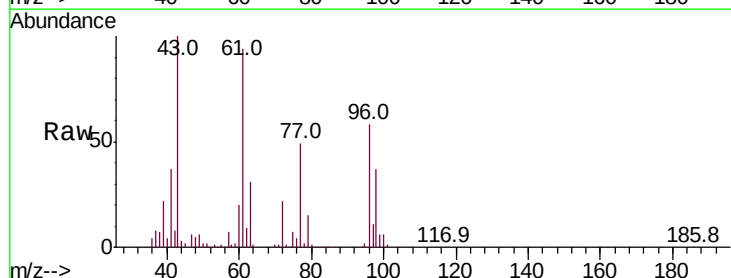
Acq: 28 Jun 2019 11:39

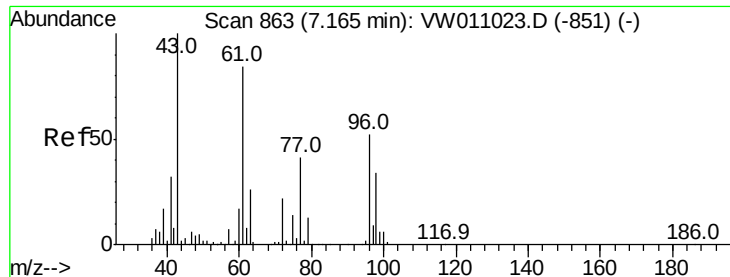
Tgt Ion: 77 Resp: 50025

Ion Ratio Lower Upper

77 100

97 22.4 10.9 32.7





#27

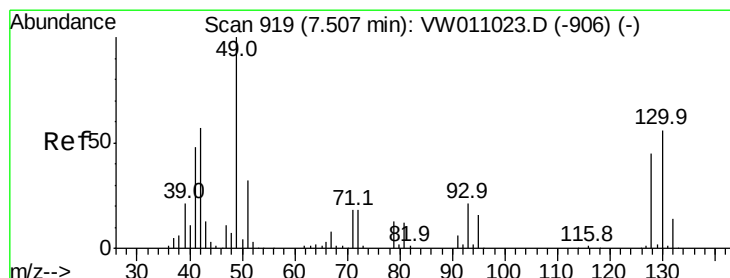
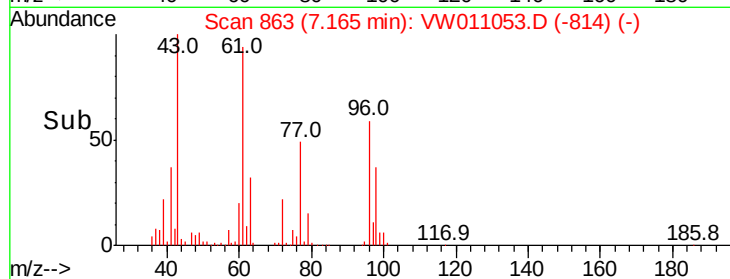
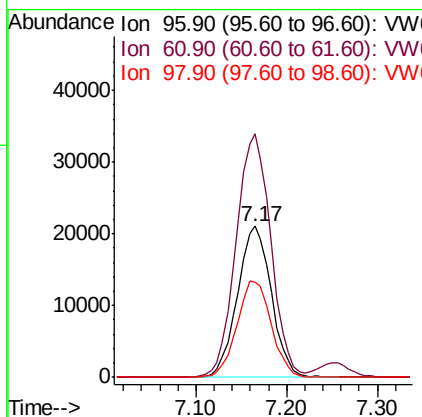
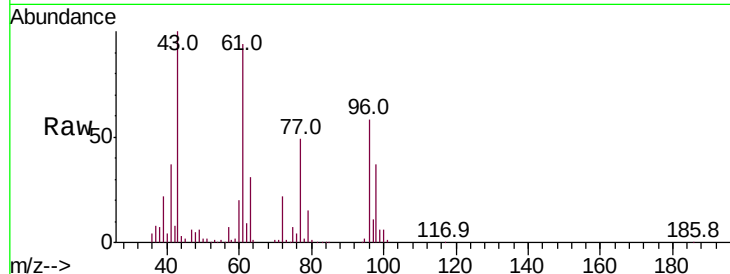
cis-1,2-Dichloroethene
Concen: 19.368 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW011053.D
Acq: 28 Jun 2019 11:39

Instrument :
MSVOA_W
ClientSampleId :
VW0629SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	165.4	0.0	330.4
98	64.6	0.0	129.4

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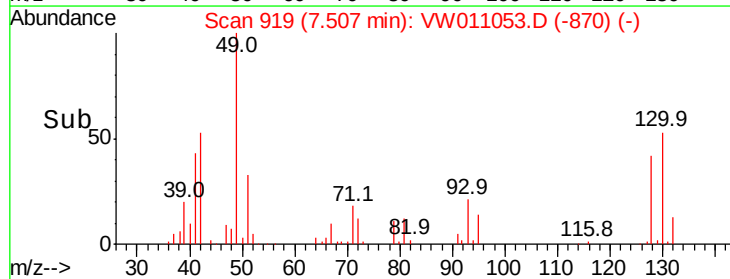
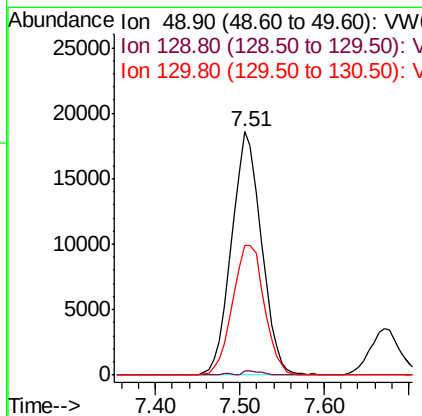
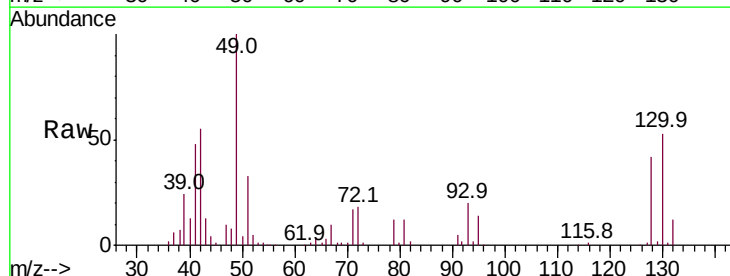
MMDadoda
7/2/2019 12:53:00 AM

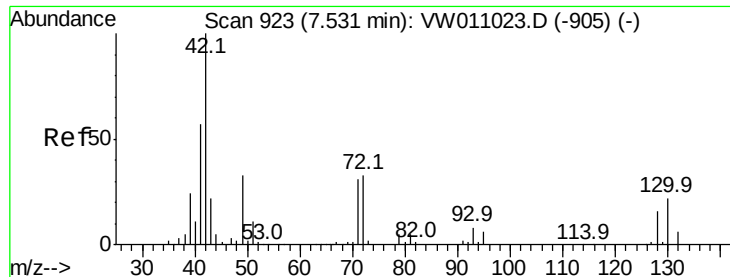


#28

Bromochloromethane
Concen: 18.436 ug/l
RT: 7.51 min Scan# 919
Delta R.T. 0.00 min
Lab File: VW011053.D
Acq: 28 Jun 2019 11:39

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.0	0.0	3.4
130	56.7	46.1	69.1





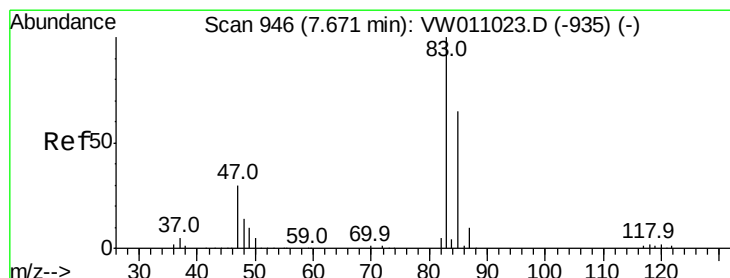
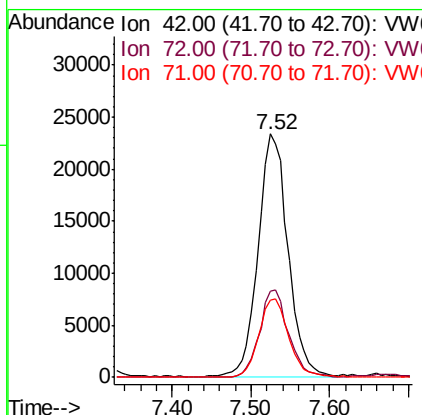
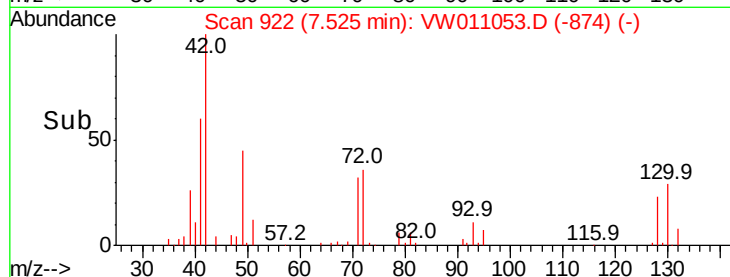
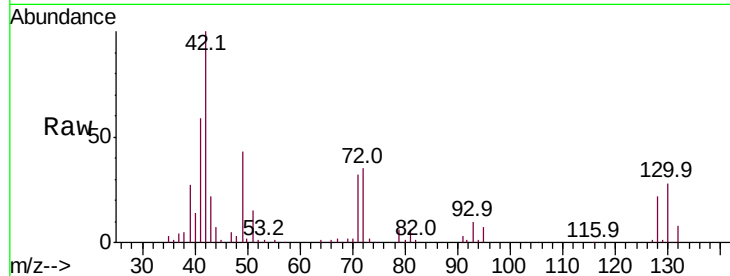
#29
Tetrahydrofuran
Concen: 90.598 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW011053.D
Acq: 28 Jun 2019 11:39

Instrument :
MSVOA_W
ClientSampleId :
VW0629SBS01

Tot Ion:	42	Resp:	61516
Ion Ratio	Lower	Upper	
42	100		
72	34.8	27.4	41.0
71	32.4	25.6	38.4

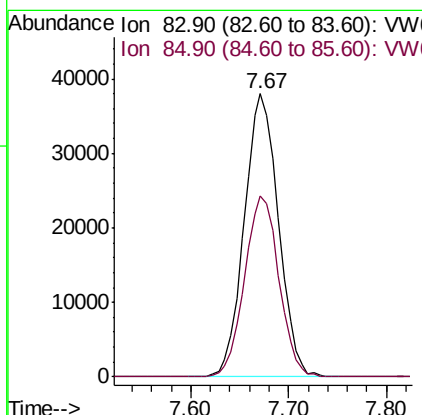
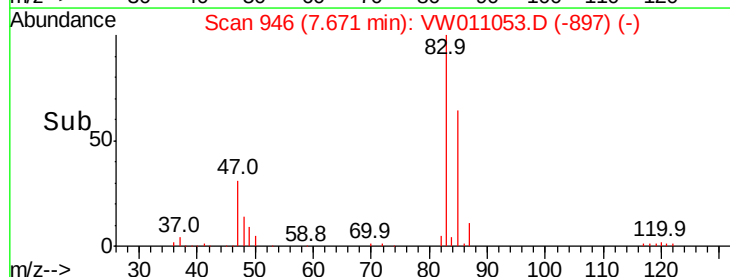
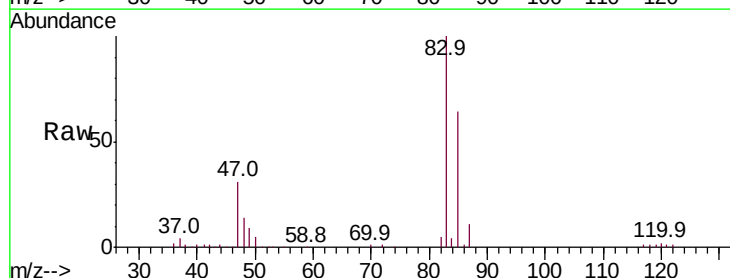
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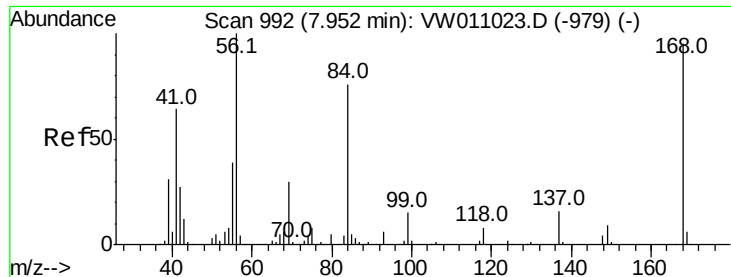
MMDadoda
7/2/2019 12:53:00 AM



#30
Chloroform
Concen: 19.421 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW011053.D
Acq: 28 Jun 2019 11:39

Tgt Ion:	83	Resp:	91820
Ion Ratio	Lower	Upper	
83	100		
85	64.2	52.2	78.4





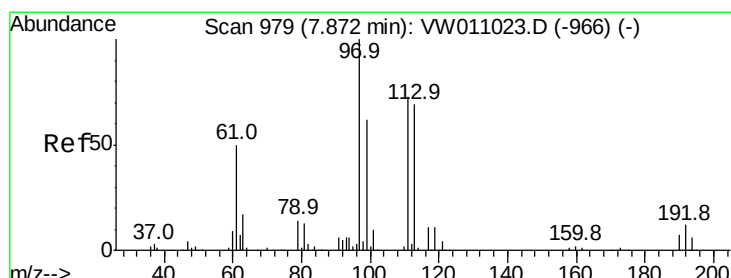
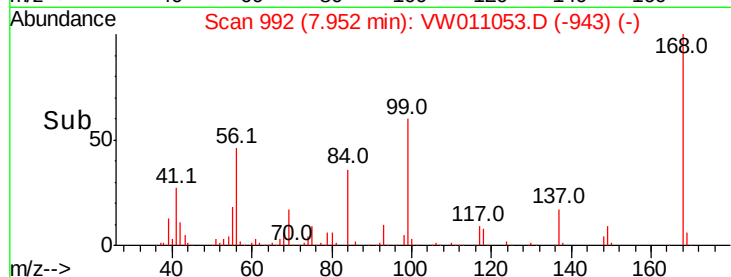
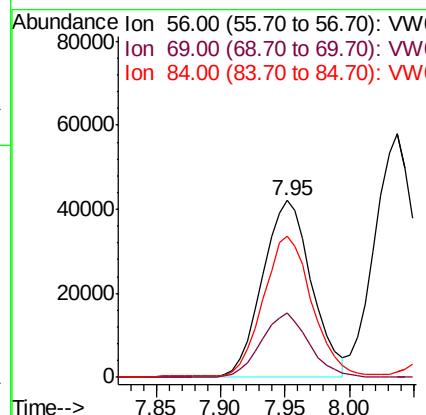
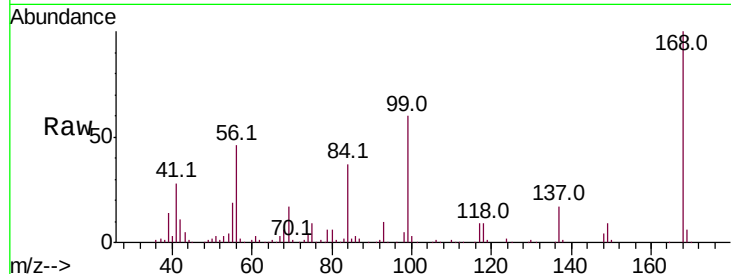
#31
Cyclohexane
Concen: 19.808 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW011053.D
Acq: 28 Jun 2019 11:39

Instrument :
MSVOA_W
ClientSampleId :
VW0629SBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	36.2	24.2	36.2#
84	79.1	60.6	90.8

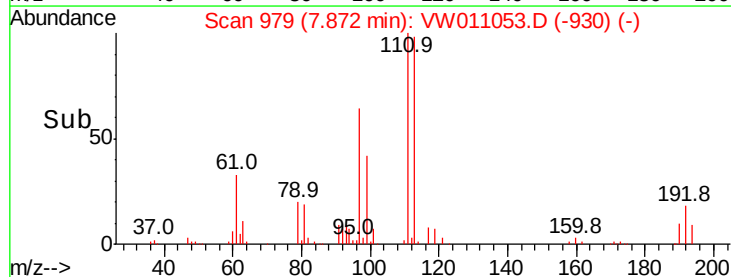
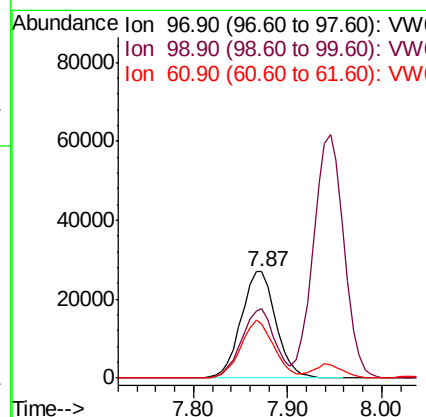
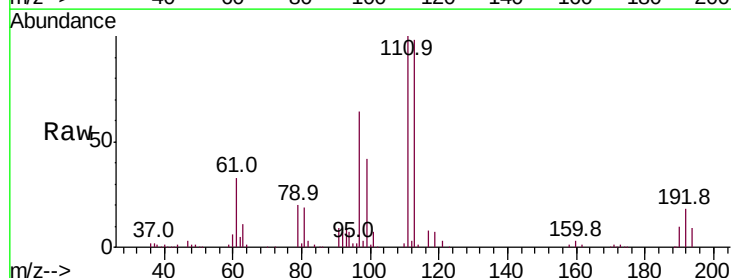
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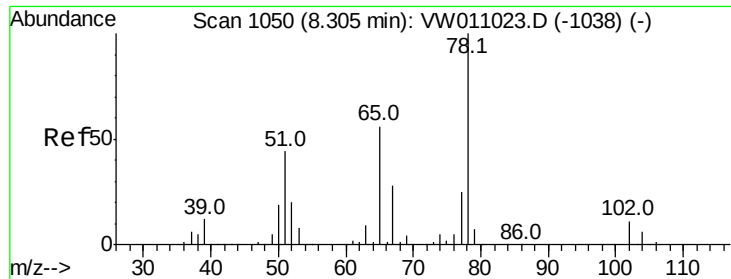
MMDadoda
7/2/2019 12:53:00 AM



#32
1,1,1-Trichloroethane
Concen: 19.796 ug/l
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW011053.D
Acq: 28 Jun 2019 11:39

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.3	51.1	76.7
61	52.0	41.4	62.2





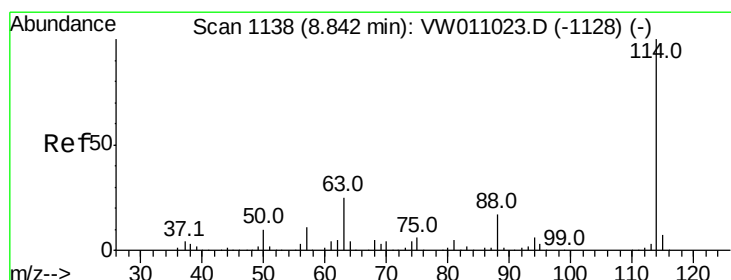
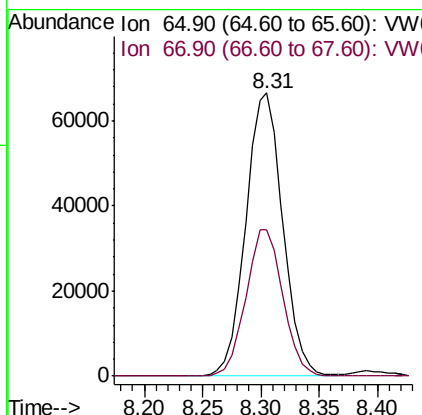
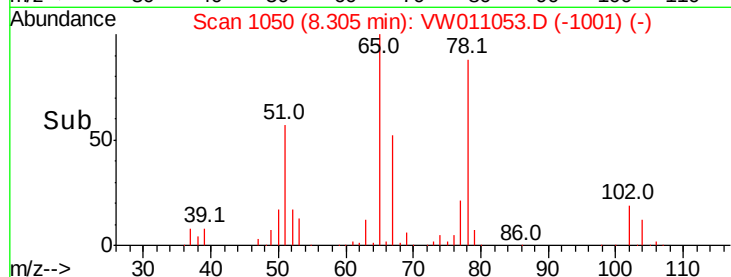
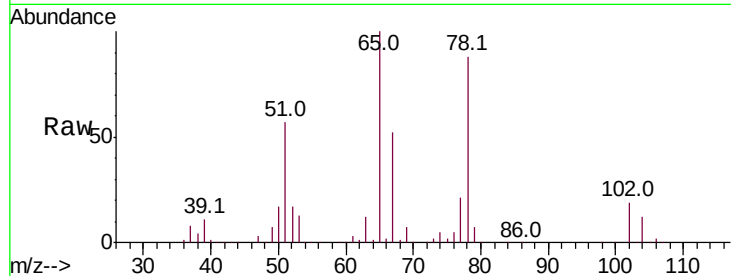
#33
 1,2-Dichloroethane-d4
 Concen: 50.053 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW011053.D
 Acq: 28 Jun 2019 11:39

Instrument :
 MSVOA_W
 ClientSampled :
 VW0629SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	52.0	0.0	102.4	

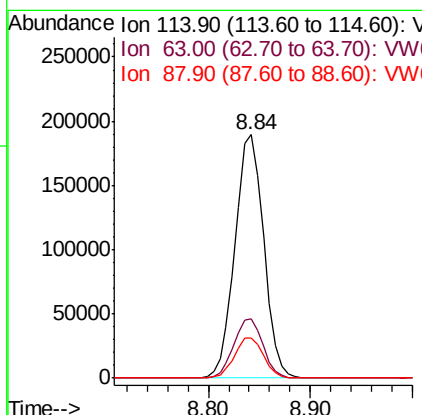
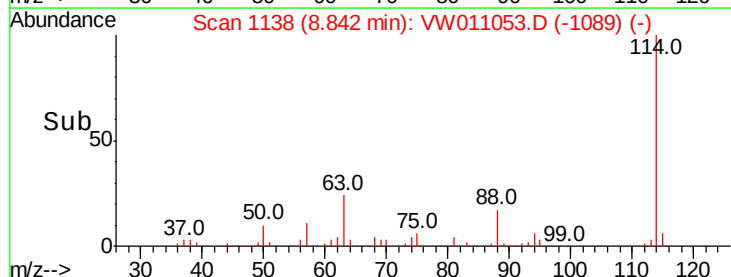
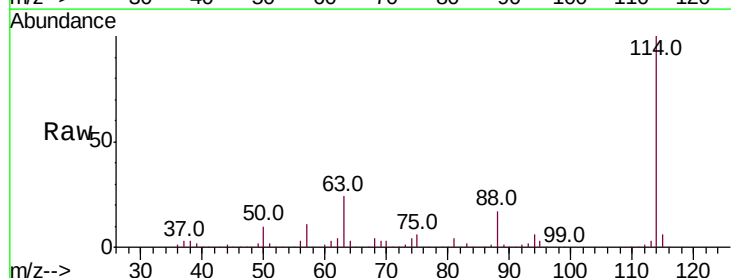
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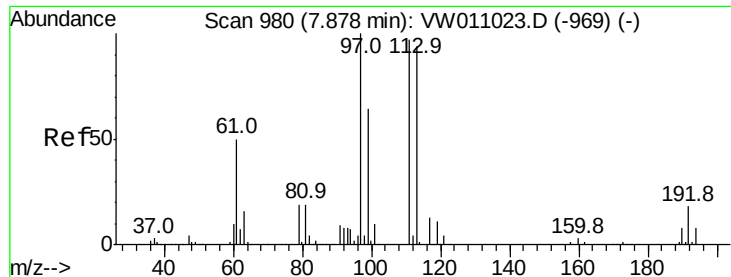
MMDadoda
 7/2/2019 12:53:00 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW011053.D
 Acq: 28 Jun 2019 11:39

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	24.1	0.0	50.6	
88	16.6	0.0	34.0	





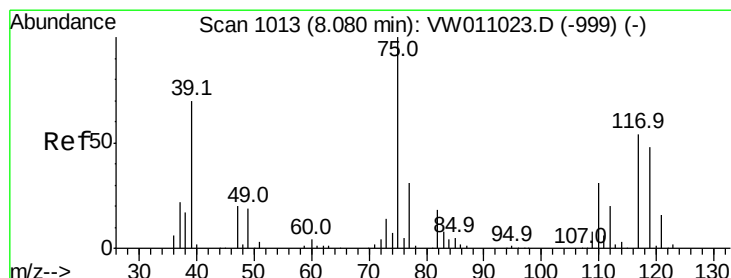
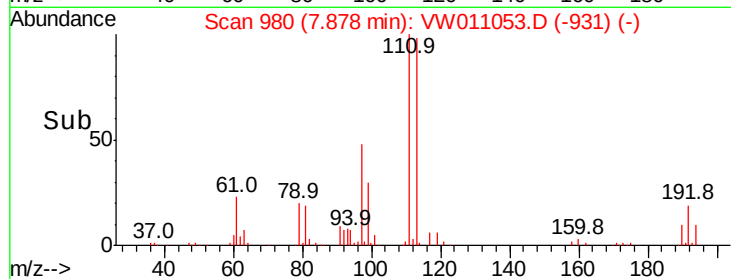
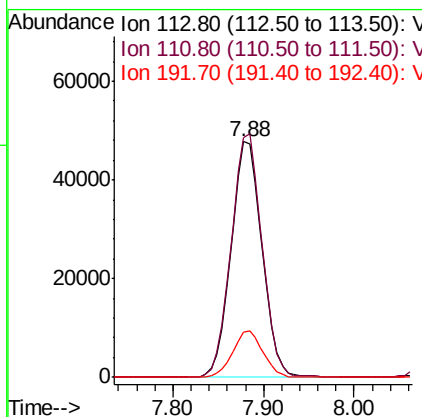
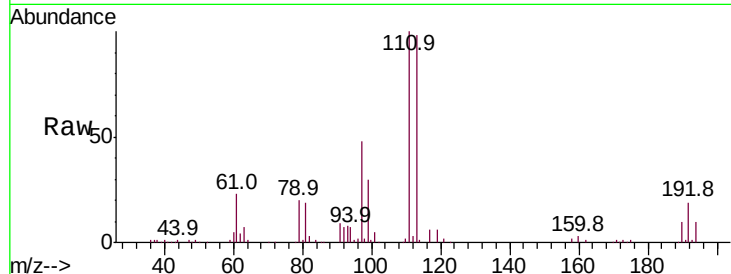
#35
Dibromofluoromethane
Concen: 50.042 ug/l
RT: 7.88 min Scan# 980
Delta R.T. 0.00 min
Lab File: VW011053.D
Acq: 28 Jun 2019 11:39

Instrument :
MSVOA_W
ClientSampleId :
VW0629SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	112880		
111	103.0	83.8	125.6	
192	19.3	16.0	24.0	

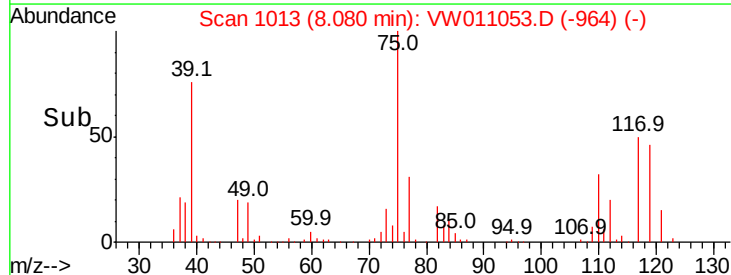
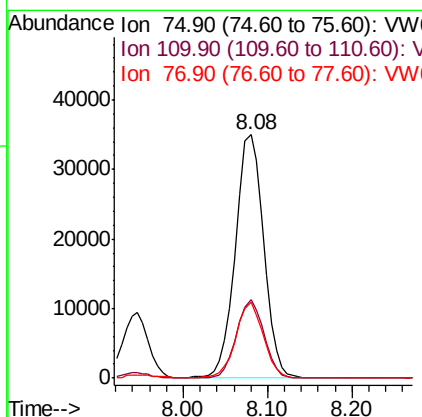
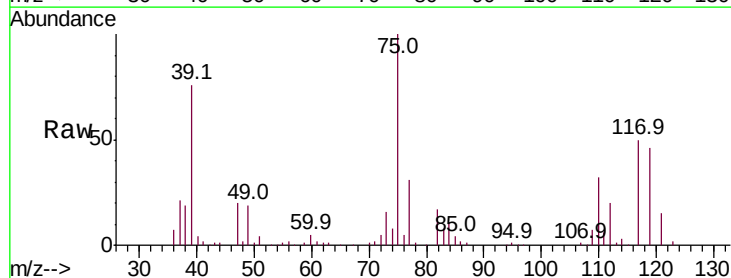
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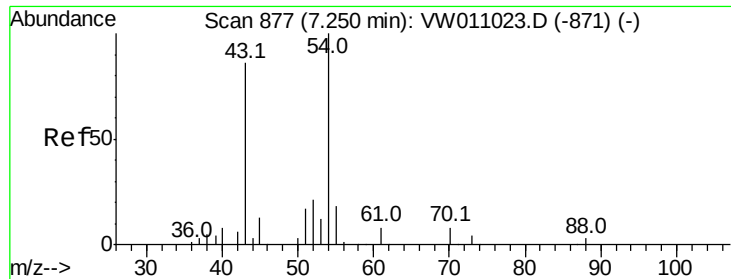
MMDadoda
7/2/2019 12:53:00 AM



#36
1,1-Dichloropropene
Concen: 20.003 ug/l
RT: 8.08 min Scan# 1013
Delta R.T. 0.00 min
Lab File: VW011053.D
Acq: 28 Jun 2019 11:39

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	79420		
110	31.2	15.5	46.5	
77	30.5	24.9	37.3	





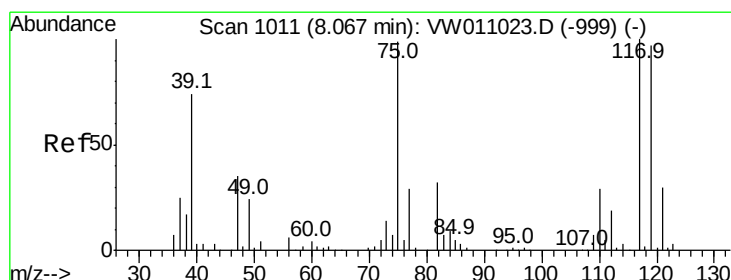
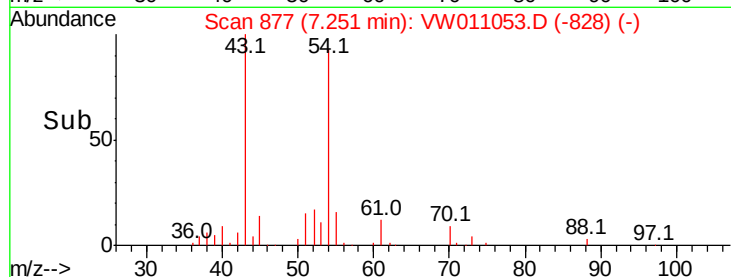
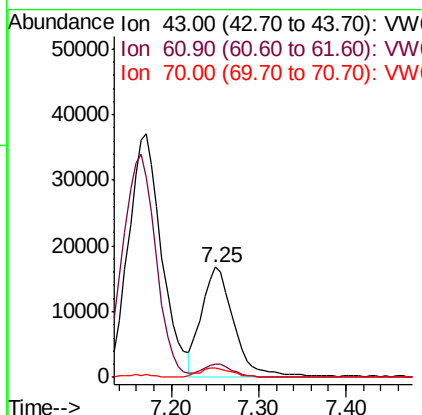
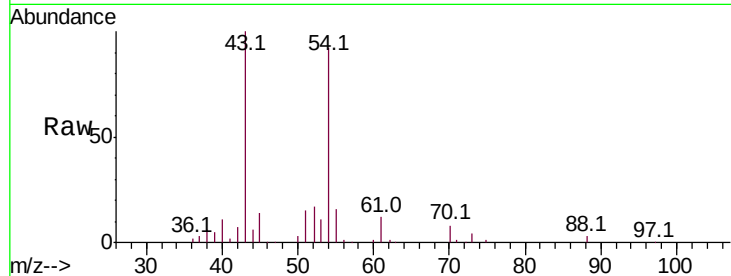
#37
Ethyl Acetate
Concen: 18.471 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW011053.D
Acq: 28 Jun 2019 11:39

Instrument :
MSVOA_W
ClientSampleId :
VW0629SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.2	9.0	13.4
70	8.8	7.2	10.8

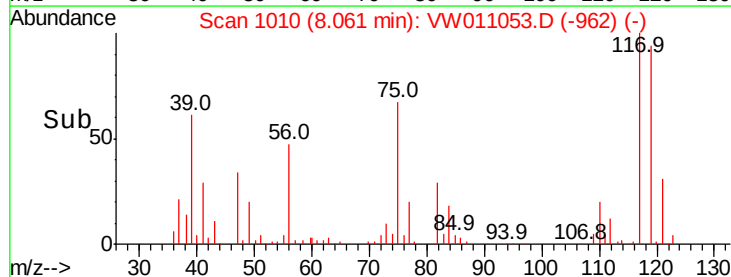
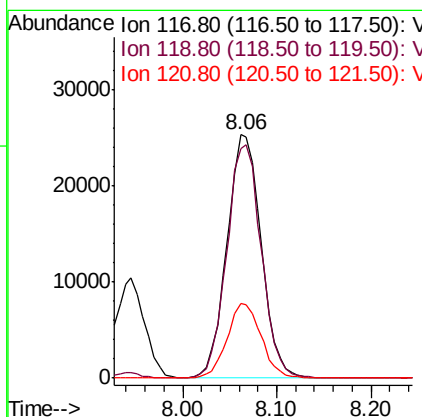
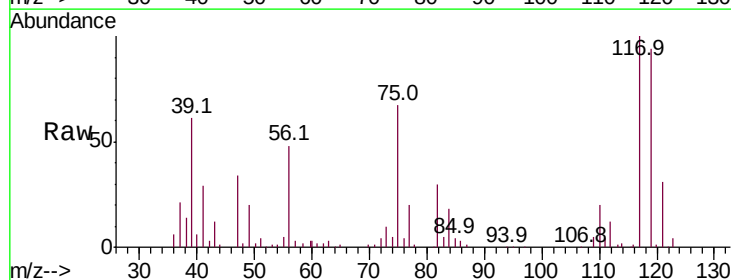
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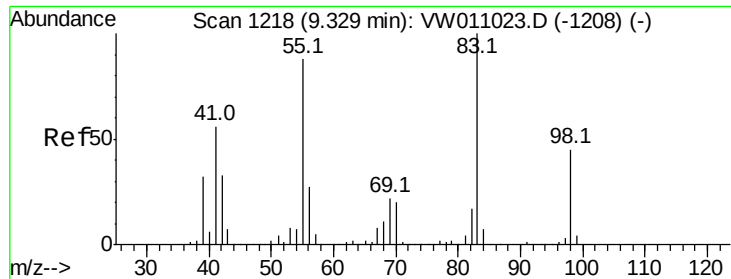
MMDadoda
7/2/2019 12:53:00 AM



#38
Carbon Tetrachloride
Concen: 19.568 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW011053.D
Acq: 28 Jun 2019 11:39

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.1	77.7	116.5
121	30.7	23.9	35.9





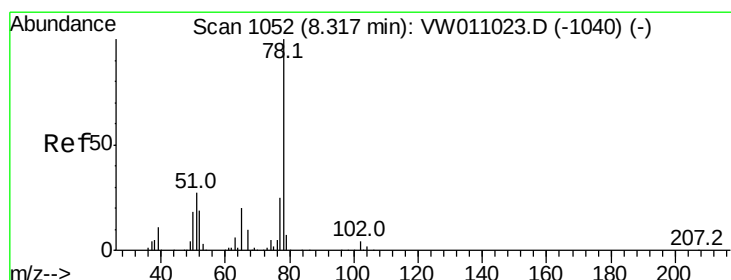
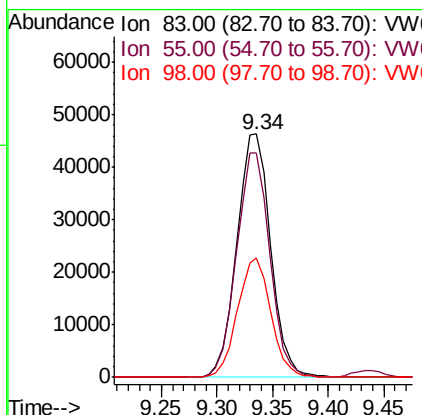
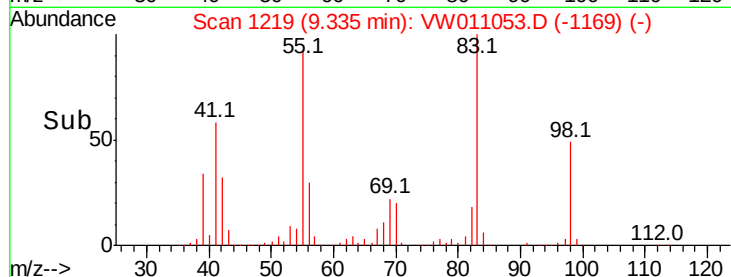
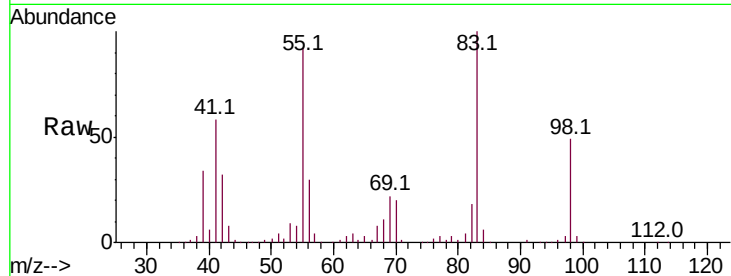
#39
Methylvlcyclohexane
Concen: 19.992 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.01 min
Lab File: VW011053.D
Acq: 28 Jun 2019 11:39

Instrument :
MSVOA_W
ClientSampleId :
VW0629SBS01

Tot Ion	83	Resp	97684
Ion Ratio	100	Lower	Upper
83	100	70.7	106.1
55	92.4	36.4	54.6
98	48.8		

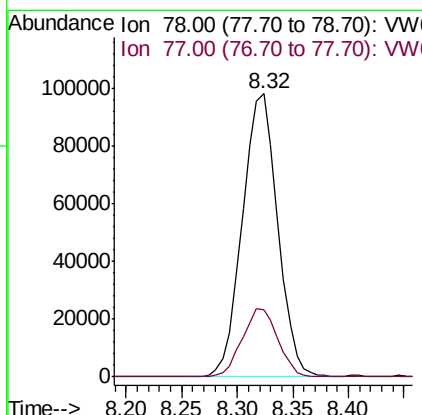
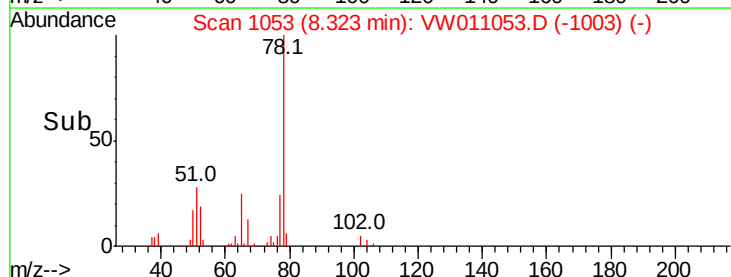
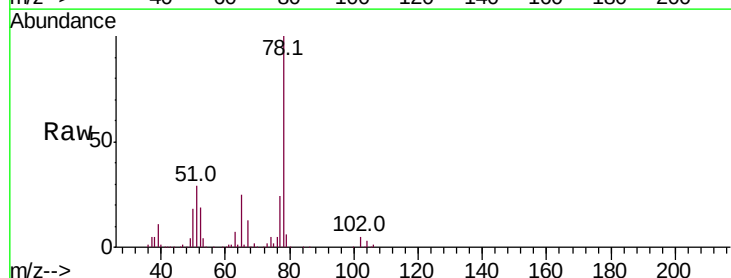
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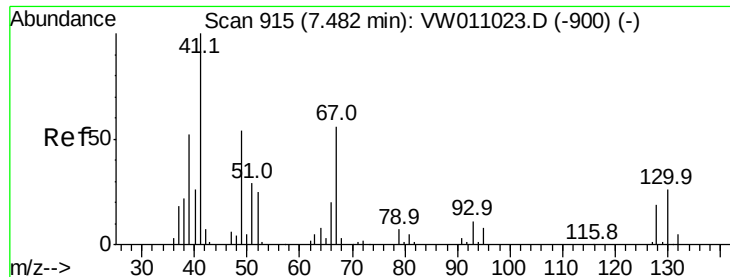
MMDadoda
7/2/2019 12:53:00 AM



#40
Benzene
Concen: 19.933 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.01 min
Lab File: VW011053.D
Acq: 28 Jun 2019 11:39

Tgt Ion	78	Resp	217675
Ion Ratio	100	Lower	Upper
78	100	19.7	29.5
77	23.7		





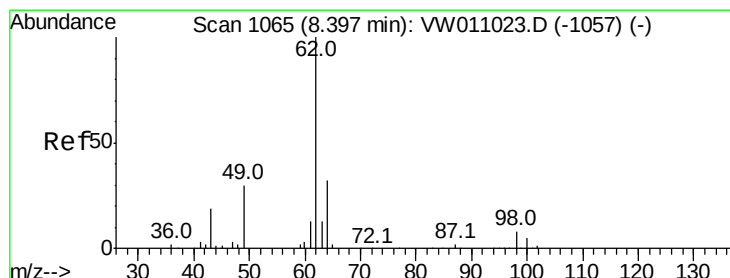
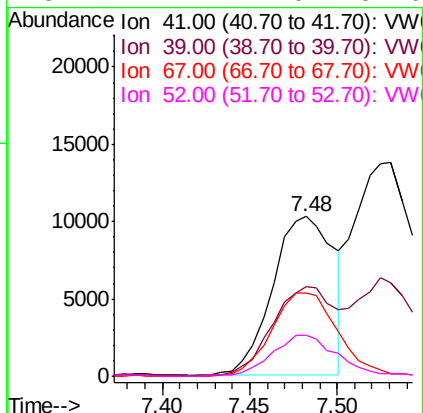
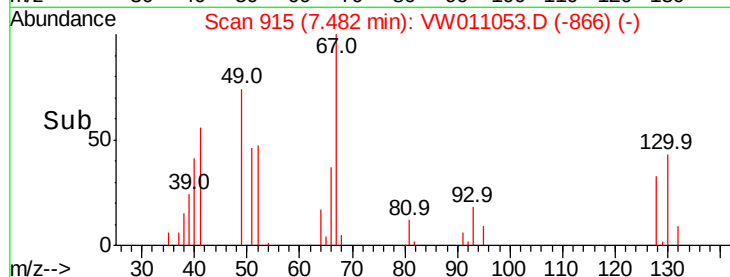
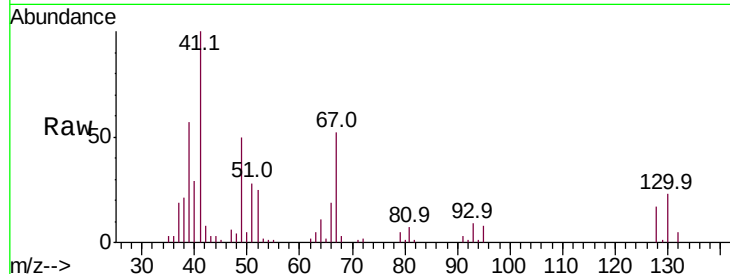
#41
Methacrylonitrile
Concen: 17.809 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW011053.D
Acq: 28 Jun 2019 11:39

Instrument :
MSVOA_W
ClientSampleId :
VW0629SBSD01

Tot Ion	41	Resp	25026
Ion	Ratio	Lower	Upper
41	100		
39	57.1	42.1	63.1
67	57.9	44.2	66.2
52	27.7	21.0	31.6

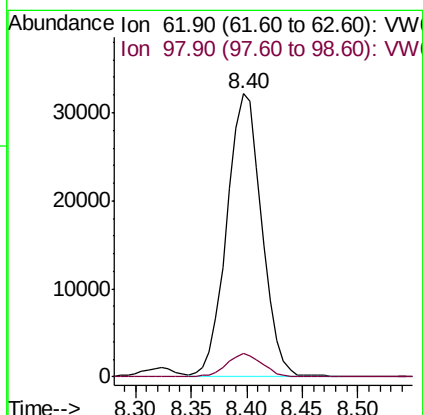
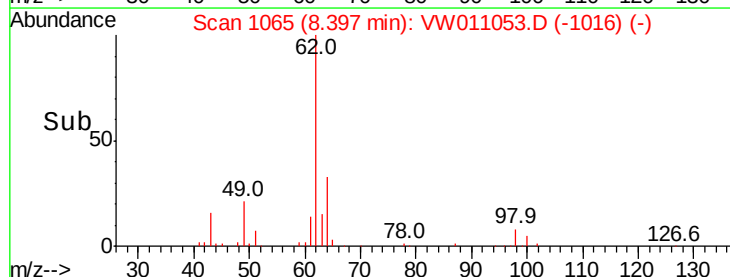
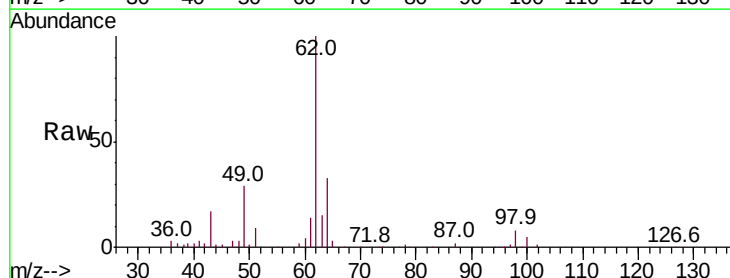
Manual Integrations
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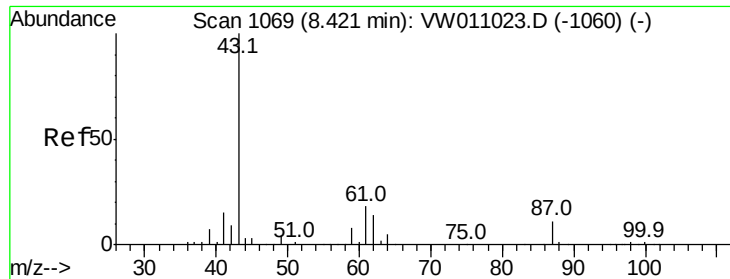
MMDadoda
7/2/2019 12:53:00 AM



#42
1,2-Dichloroethane
Concen: 19.553 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW011053.D
Acq: 28 Jun 2019 11:39

Tgt Ion	62	Resp	70010
Ion	Ratio	Lower	Upper
62	100		
98	8.4	0.0	16.8





#43

Isopropyl Acetate

Concen: 18.391 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW011053.D

Acq: 28 Jun 2019 11:39

Instrument :

MSVOA_W

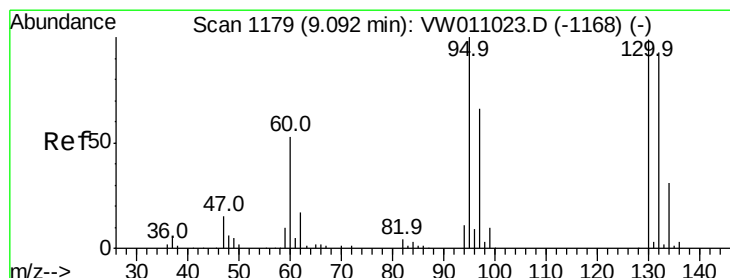
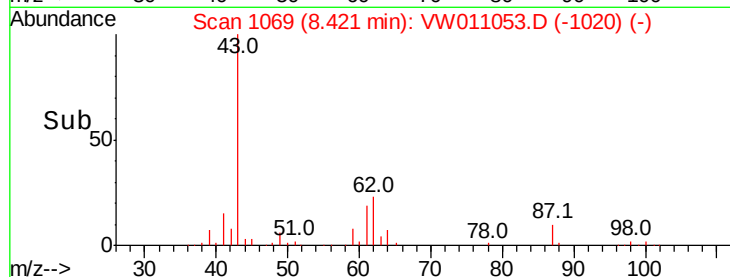
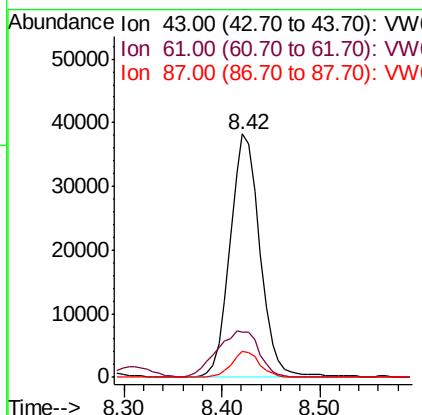
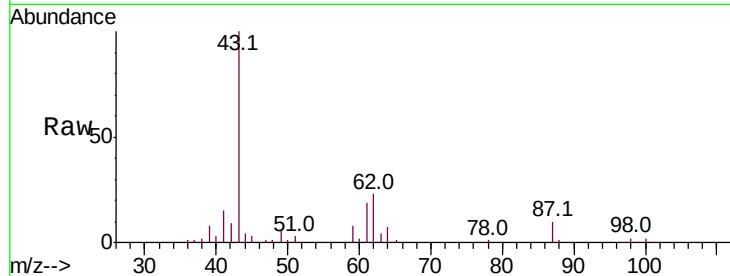
ClientSampleId :

VW0629SBS01

Tot Ion:	43	Resp:	80357
Ion	Ratio	Lower	Upper
43	100		
61	27.5	21.0	31.6
87	10.2	8.2	12.4

Manual Integrations
APPROVED

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#44

Trichloroethene

Concen: 19.632 ug/l

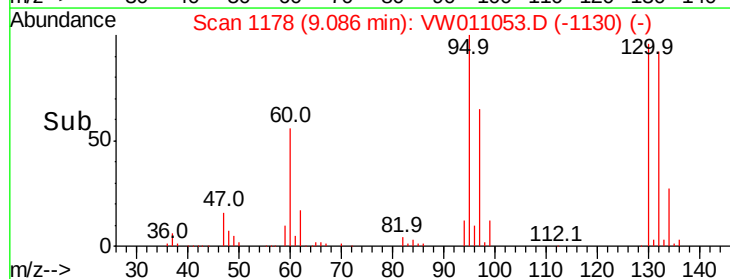
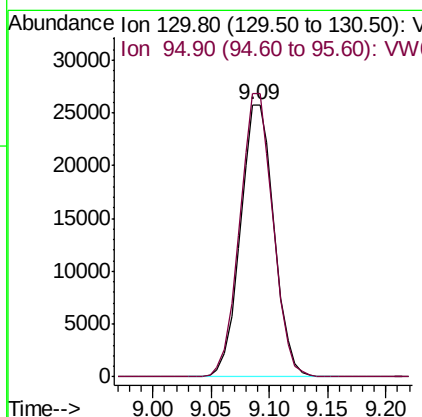
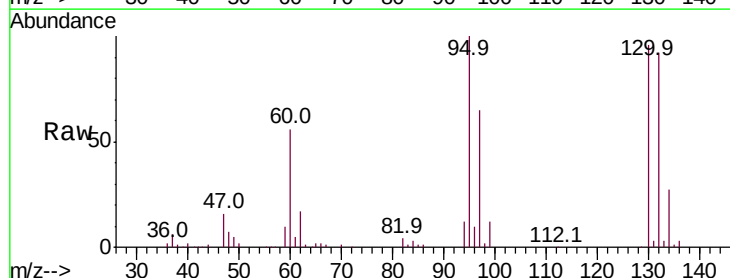
RT: 9.09 min Scan# 1178

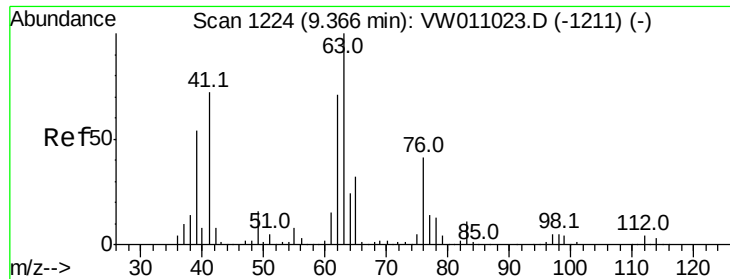
Delta R.T. -0.01 min

Lab File: VW011053.D

Acq: 28 Jun 2019 11:39

Tgt Ion:	130	Resp:	51812
Ion	Ratio	Lower	Upper
130	100		
95	103.8	0.0	202.0





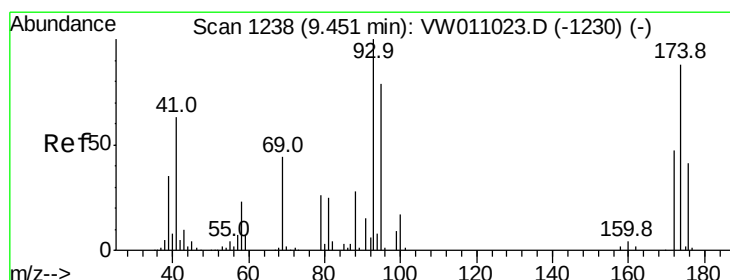
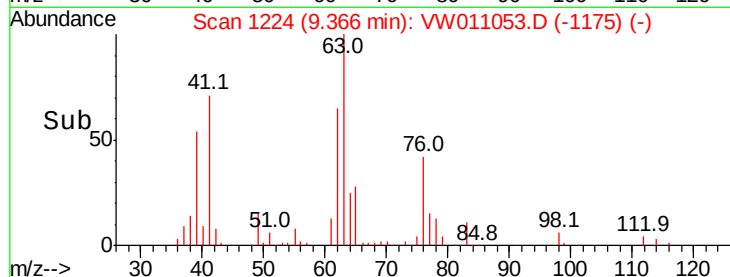
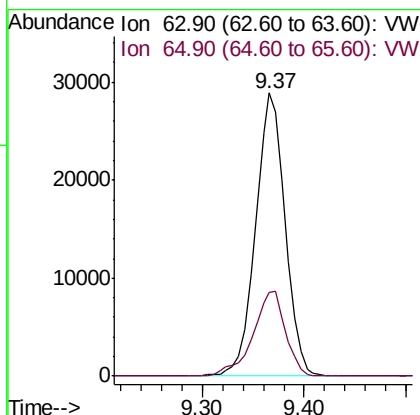
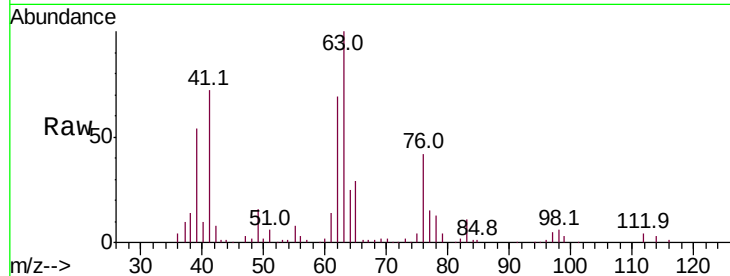
#45
 1,2-Dichloropropane
 Concen: 19.650 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW011053.D
 Acq: 28 Jun 2019 11:39

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0629SBS01

Tot Ion: 63 Resp: 58272
 Ion Ratio Lower Upper
 63 100
 65 29.4 25.6 38.4

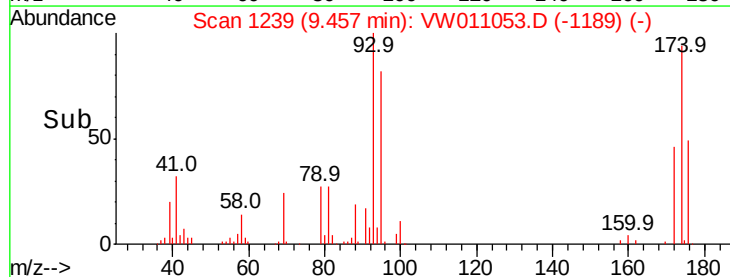
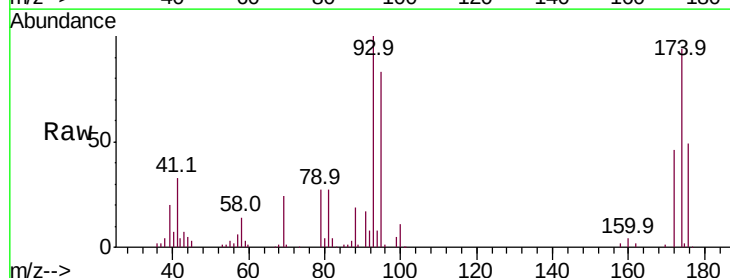
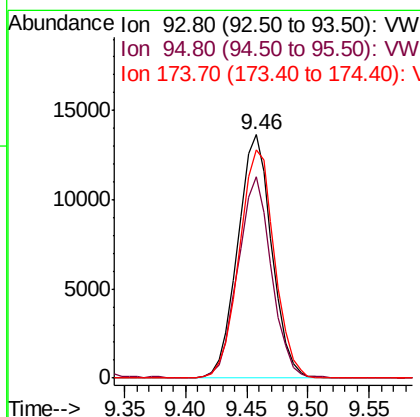
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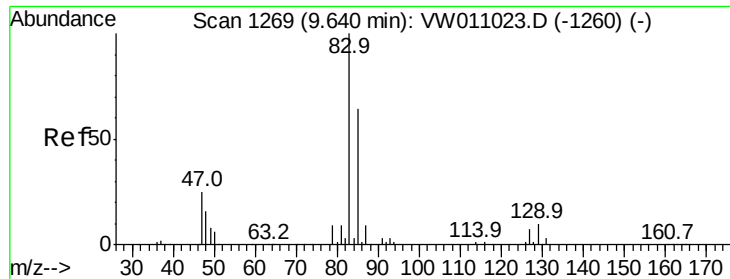
MMDadoda
 7/2/2019 12:53:00 AM



#46
 Dibromomethane
 Concen: 18.946 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.01 min
 Lab File: VW011053.D
 Acq: 28 Jun 2019 11:39

Tgt Ion: 93 Resp: 26276
 Ion Ratio Lower Upper
 93 100
 95 81.4 65.8 98.6
 174 97.1 75.4 113.0





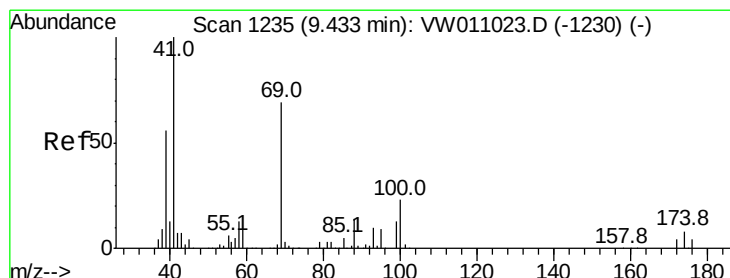
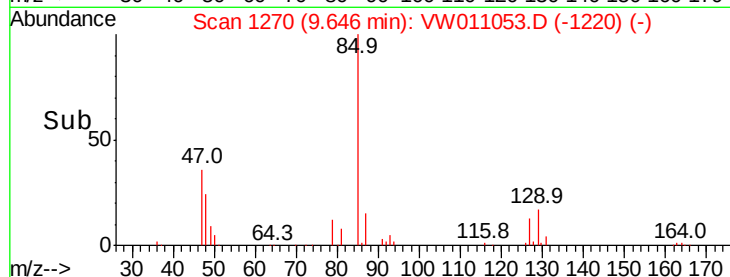
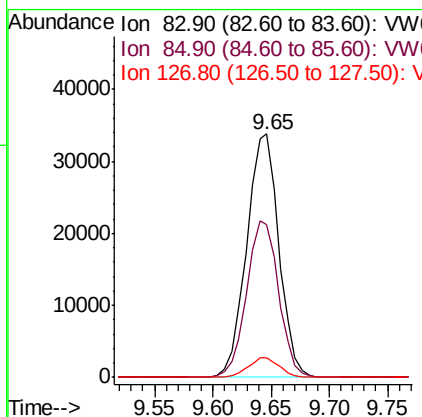
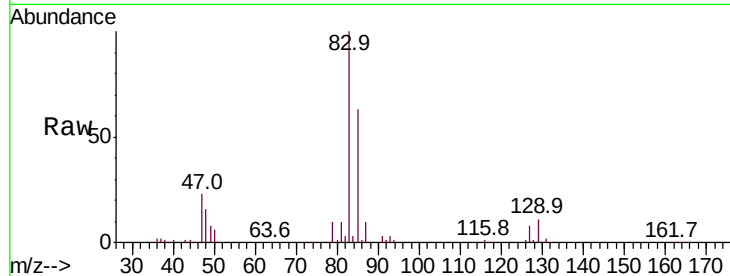
#47
Bromodichloromethane
Concen: 18.988 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. 0.01 min
Lab File: VW011053.D
Acq: 28 Jun 2019 11:39

Instrument :
MSVOA_W
ClientSampleId :
VW0629SBS01

Tot Ion	83	Resp	65201
Ion Ratio	100	Lower	Upper
83	100		
85	62.7	51.0	76.4
127	8.0	5.8	8.8

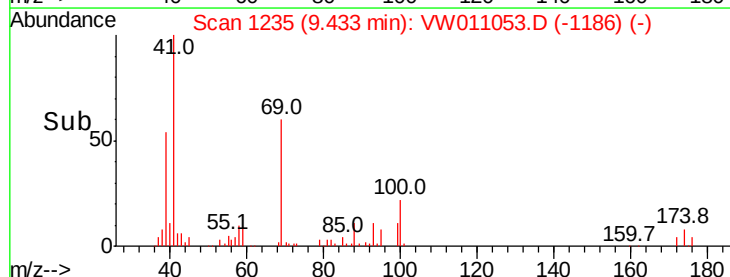
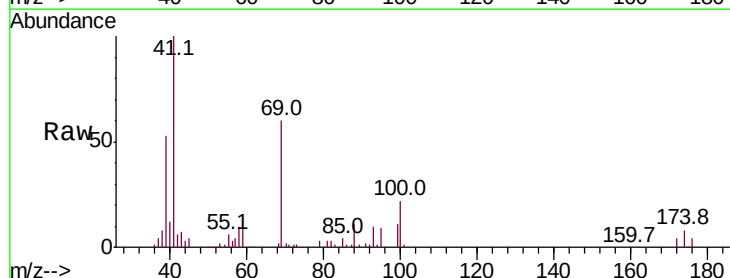
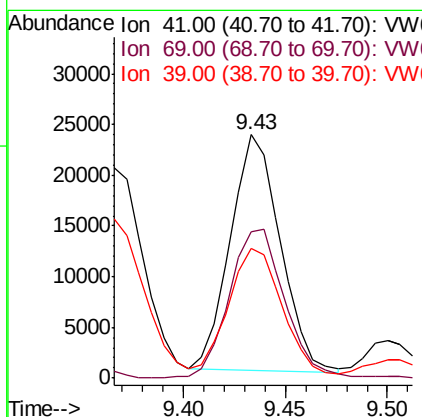
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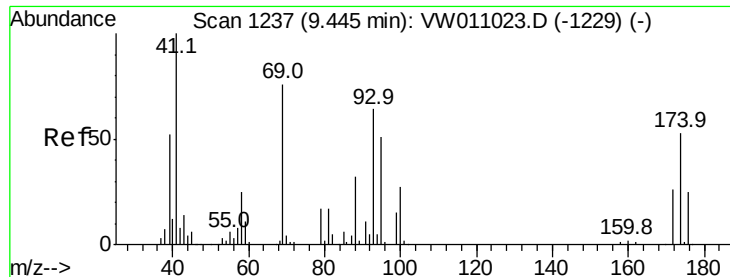
MMDadoda
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#48
Methyl methacrylate
Concen: 18.642 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. 0.00 min
Lab File: VW011053.D
Acq: 28 Jun 2019 11:39

Tgt Ion	41	Resp	39494
Ion Ratio	100	Lower	Upper
41	100		
69	70.7	56.7	85.1
39	56.4	45.0	67.6





#49

1,4-Dioxane

Concen: 344.009 ug/l

RT: 9.45 min Scan# 1237

Delta R.T. 0.00 min

Lab File: VW011053.D

Acq: 28 Jun 2019 11:39

Instrument :

MSVOA_W

ClientSampleId :

VW0629SBS01

Tot Ion: 88 Resp: 8022

Ion Ratio Lower Upper

88 100

43 44.2 34.4 51.6

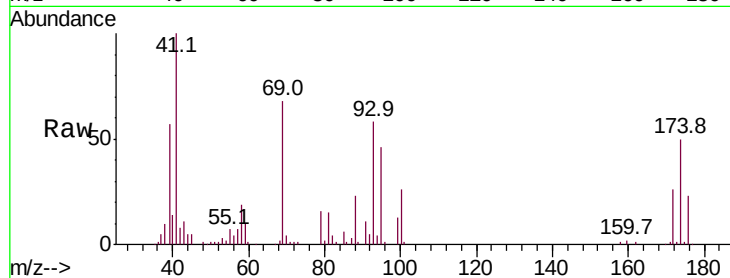
58 87.0 65.2 97.8

Manual Integrations

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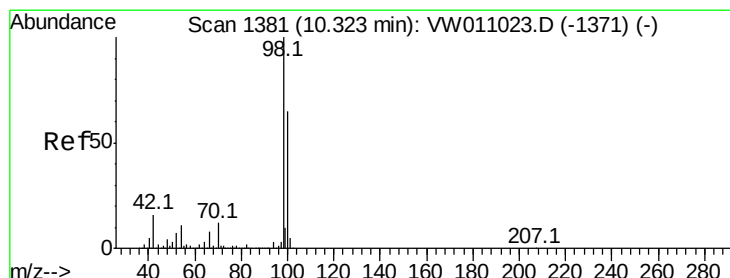
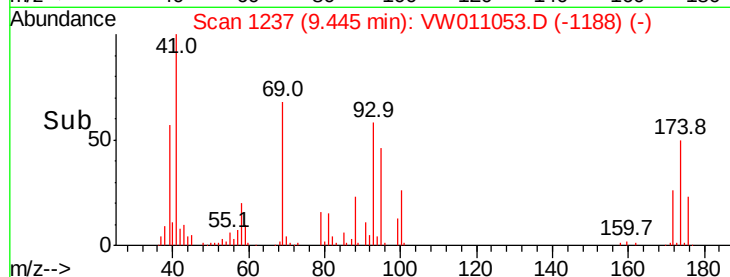
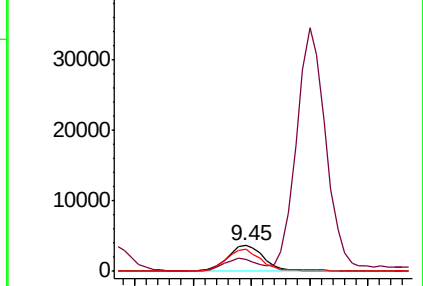
7/2/2019 12:53:00 AM



Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50

Toluene-d8

Concen: 51.581 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW011053.D

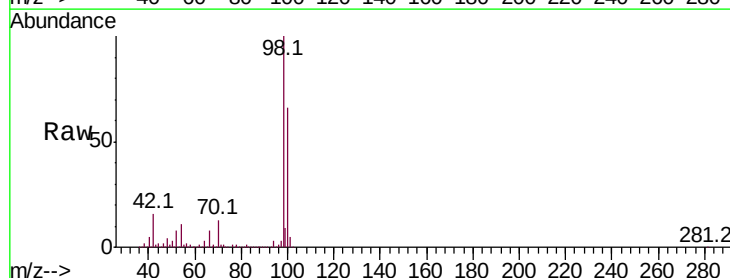
Acq: 28 Jun 2019 11:39

Tgt Ion: 98 Resp: 478936

Ion Ratio Lower Upper

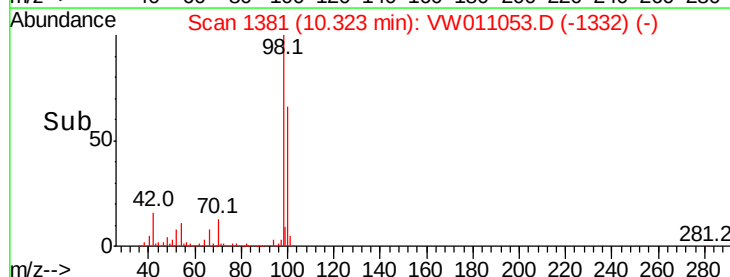
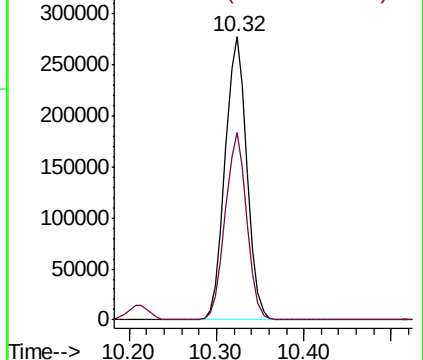
98 100

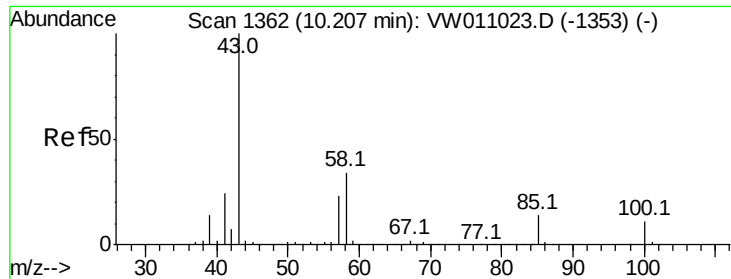
100 65.1 52.3 78.5



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 91.972 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW011053.D

Acq: 28 Jun 2019 11:39

Instrument :

MSVOA_W

ClientSampleId :

VW0629SBS01

Tot Ion: 43 Resp: 211537

Ion Ratio Lower Upper

43 100

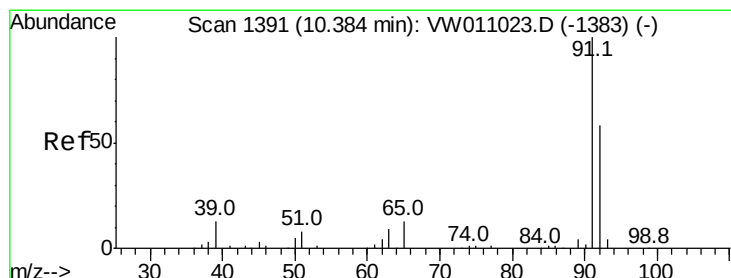
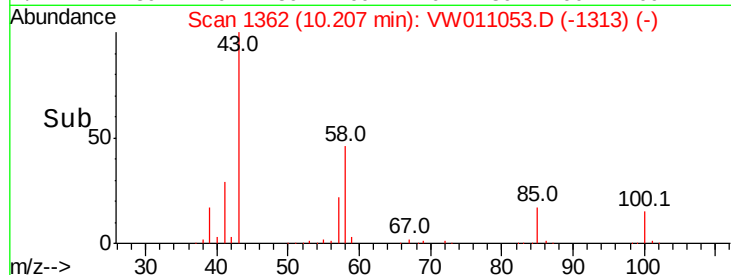
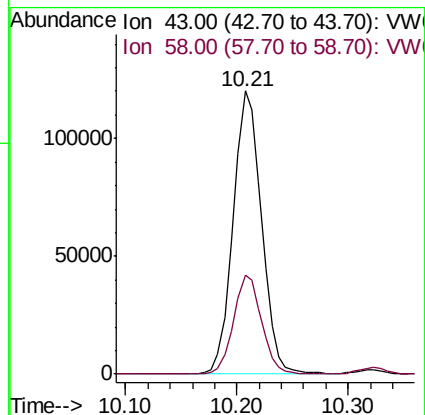
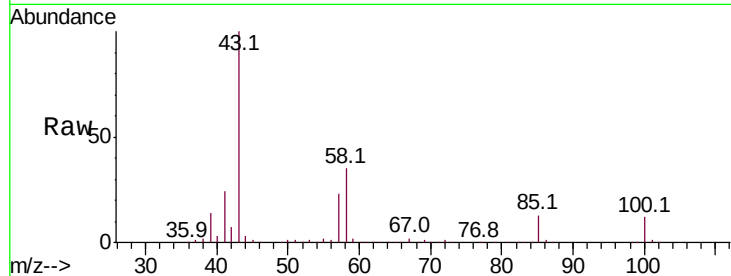
58 34.6 27.8 41.6

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#52

Toluene

Concen: 19.747 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW011053.D

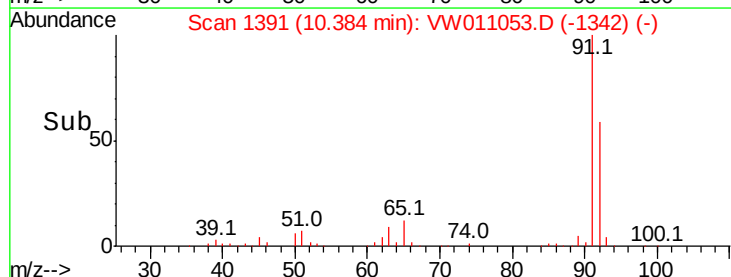
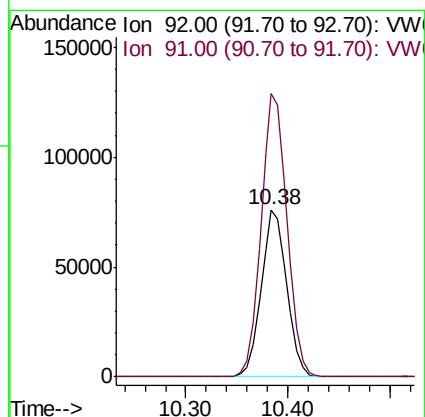
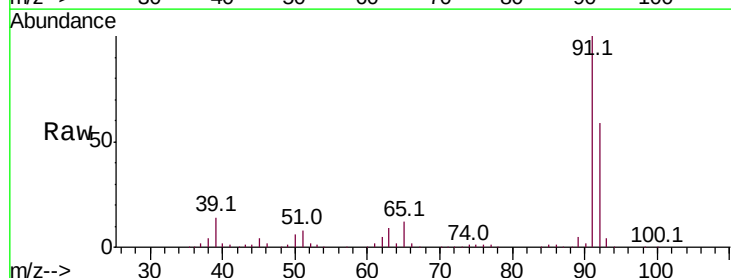
Acq: 28 Jun 2019 11:39

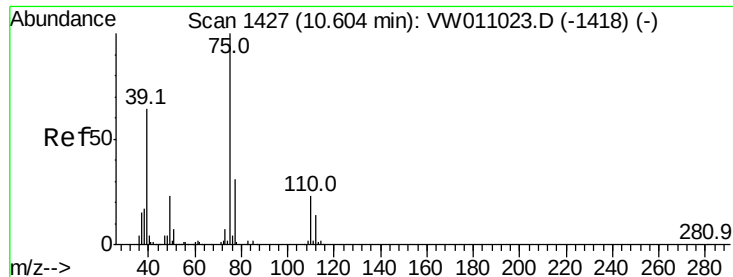
Tgt Ion: 92 Resp: 132023

Ion Ratio Lower Upper

92 100

91 172.5 136.9 205.3





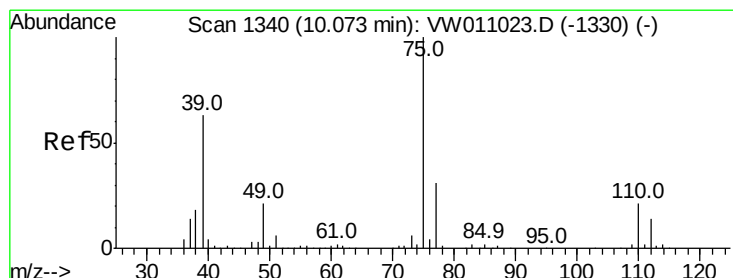
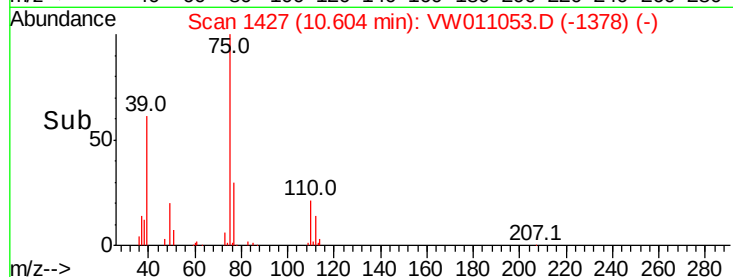
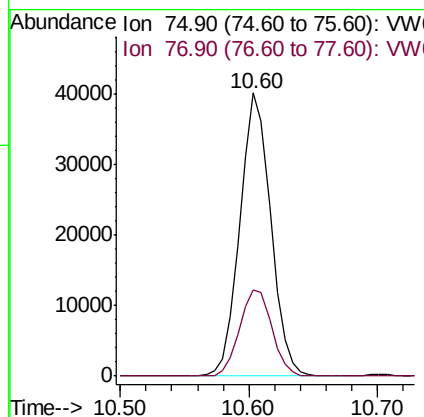
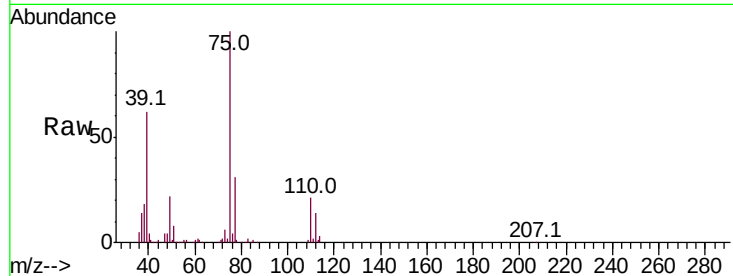
#53
t-1,3-Dichloropropene
Concen: 18.597 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. 0.00 min
Lab File: VW011053.D
Acq: 28 Jun 2019 11:39

Instrument :
MSVOA_W
ClientSampleId :
VW0629SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.6	24.6	37.0

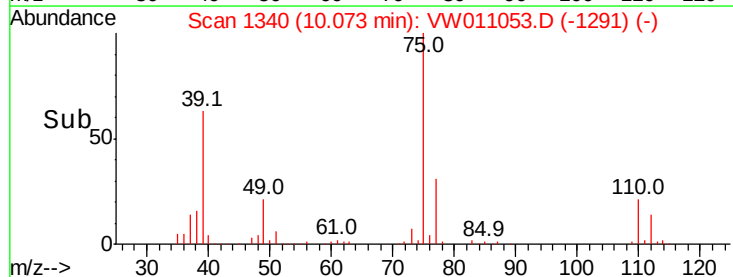
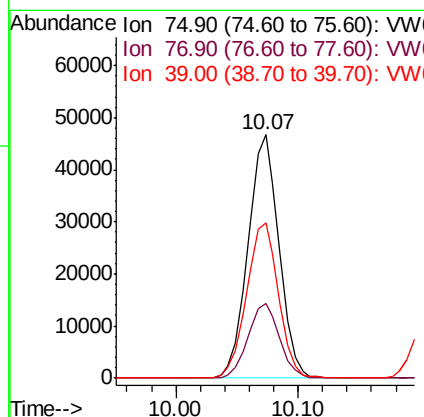
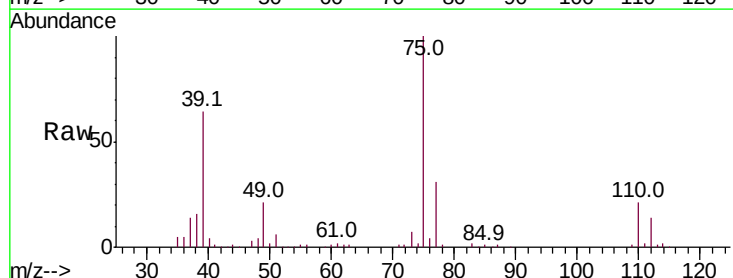
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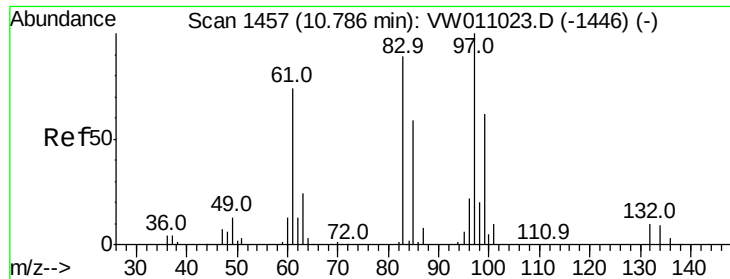
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#54
cis-1,3-Dichloropropene
Concen: 19.255 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. 0.00 min
Lab File: VW011053.D
Acq: 28 Jun 2019 11:39

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.7	24.8	37.2
39	63.3	50.0	75.0





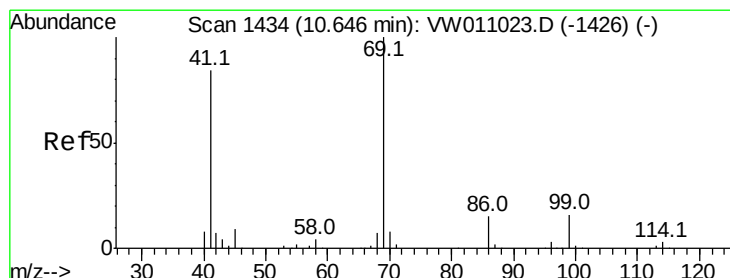
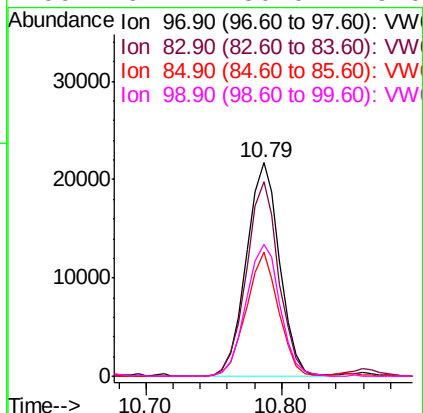
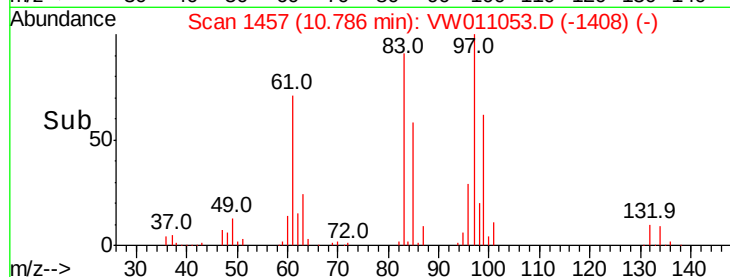
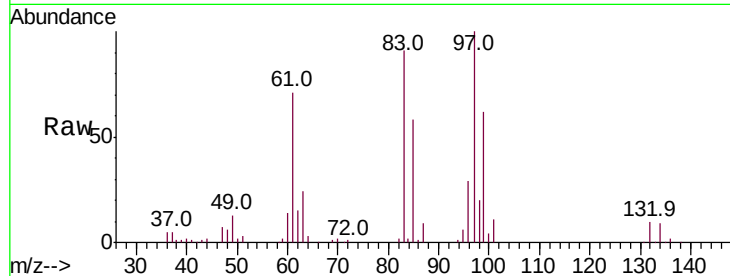
#55
 1,1,2-Trichloroethane
 Concen: 18.987 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW011053.D
 Acq: 28 Jun 2019 11:39

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0629SBSD01

Tot Ion	97	Resp	37203
Ion	Ratio	Lower	Upper
97	100		
83	91.1	70.9	106.3
85	58.1	47.2	70.8
99	61.7	50.0	75.0

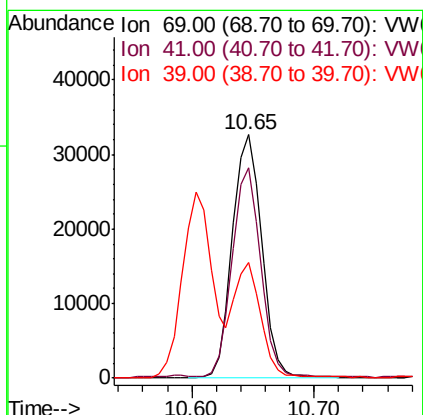
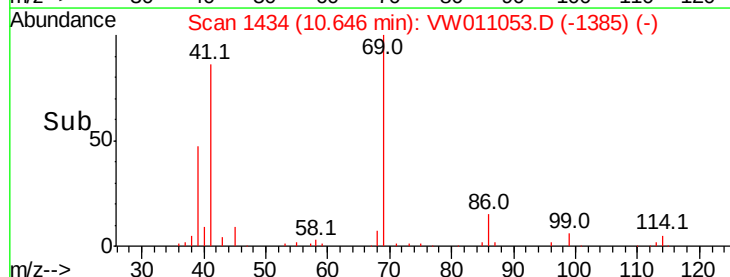
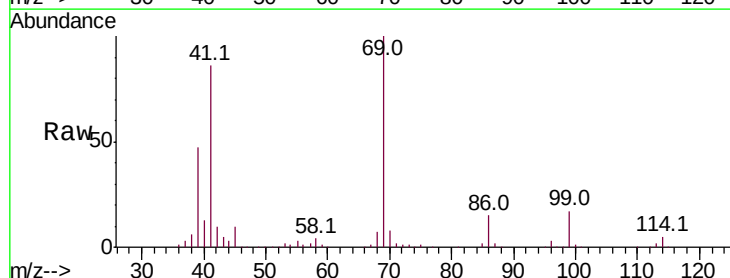
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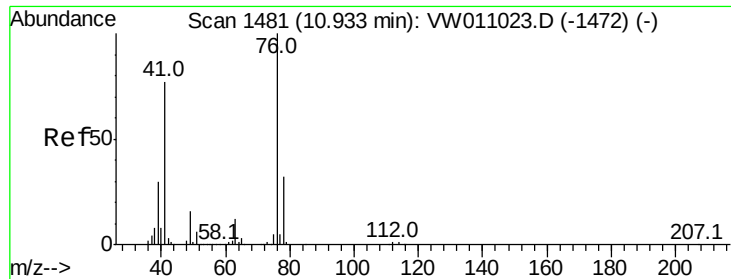
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 7/2/2019 12:53:00 AM



#56
 Ethyl methacrylate
 Concen: 18.565 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW011053.D
 Acq: 28 Jun 2019 11:39

Tgt Ion	69	Resp	54472
Ion	Ratio	Lower	Upper
69	100		
41	82.8	67.9	101.9
39	42.1	33.2	49.8





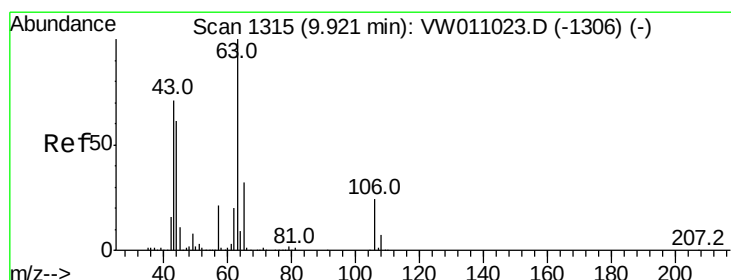
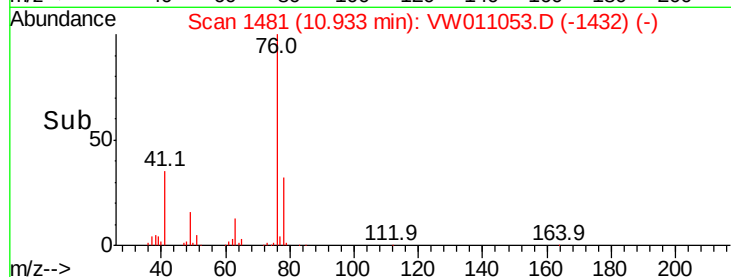
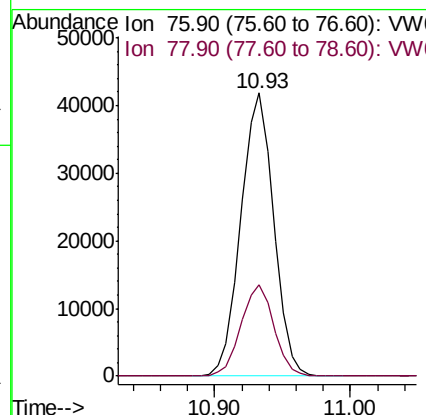
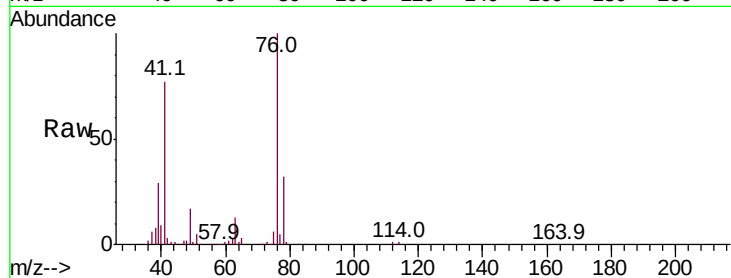
#57
 1,3-Dichloropropane
 Concen: 18.991 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW011053.D
 Acq: 28 Jun 2019 11:39

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0629SBS01

Tot Ion: 76 Resp: 70785
 Ion Ratio Lower Upper
 76 100
 78 32.2 25.8 38.6

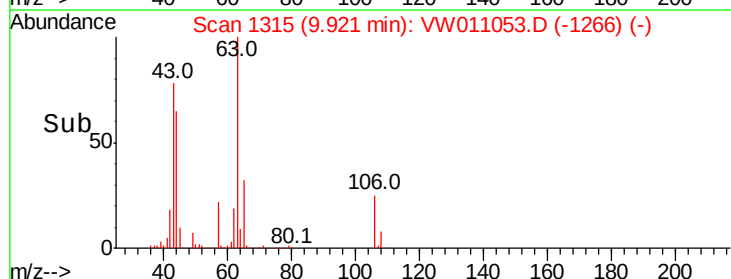
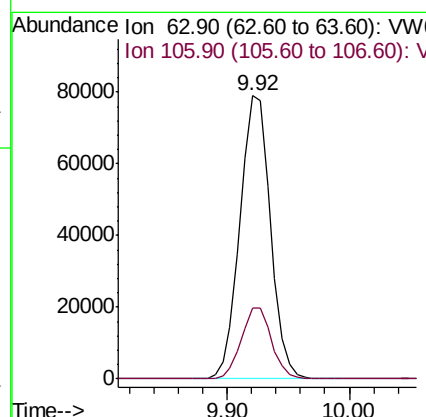
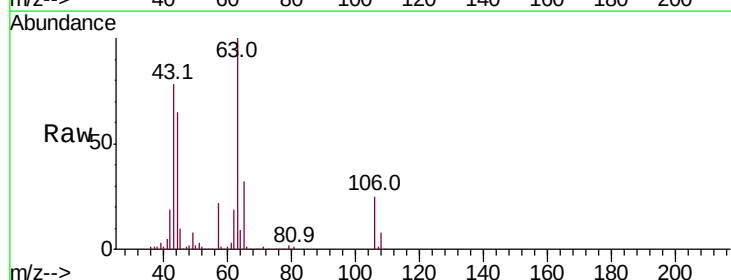
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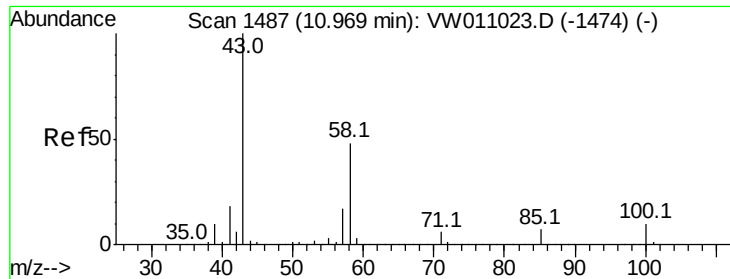
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 7/2/2019 12:53:00 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 91.890 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW011053.D
 Acq: 28 Jun 2019 11:39

Tgt Ion: 63 Resp: 136419
 Ion Ratio Lower Upper
 63 100
 106 25.0 19.4 29.0





#59

2-Hexanone

Concen: 91.615 ug/l

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW011053.D

Acq: 28 Jun 2019 11:39

Instrument :

MSVOA_W

ClientSampleId :

VW0629SBS01

Tot Ion: 43 Resp: 146947

Ion Ratio Lower Upper

43 100

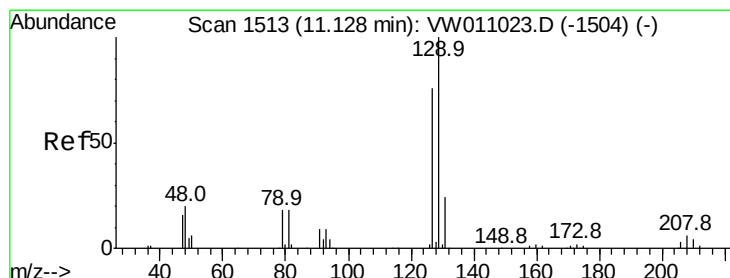
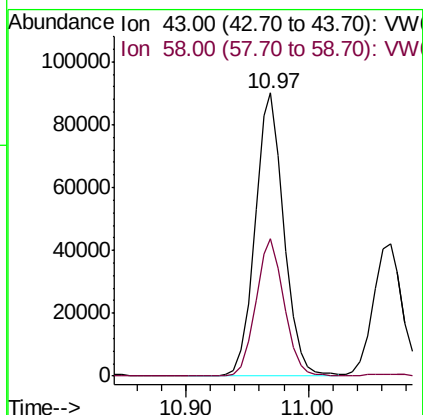
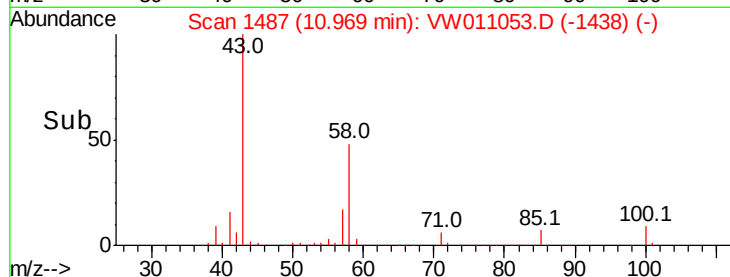
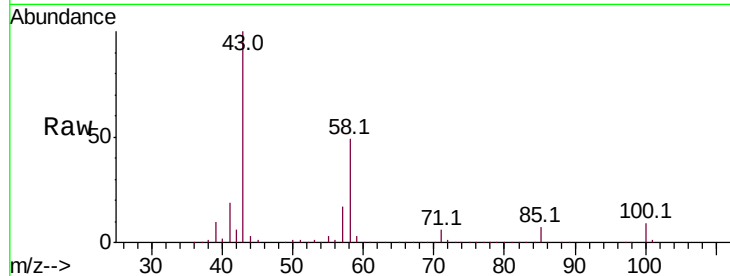
58 48.0 23.8 71.5

Manual Integrations

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#60

Dibromochloromethane

Concen: 18.416 ug/l

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW011053.D

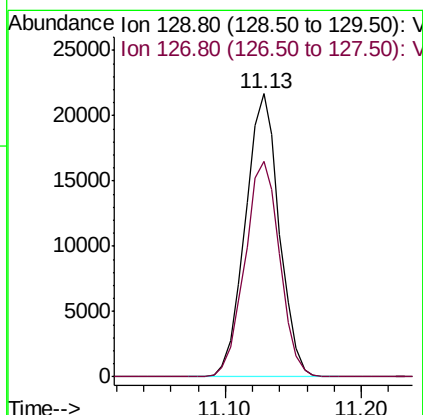
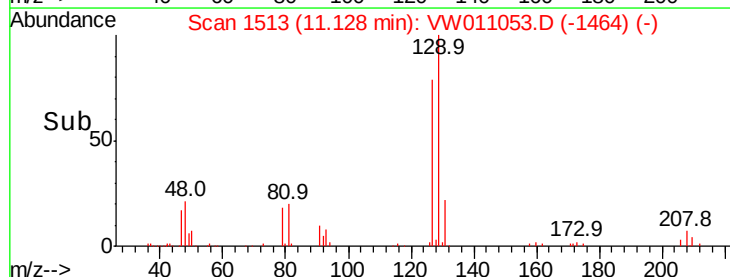
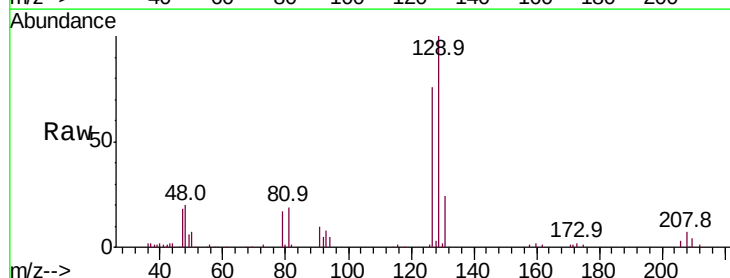
Acq: 28 Jun 2019 11:39

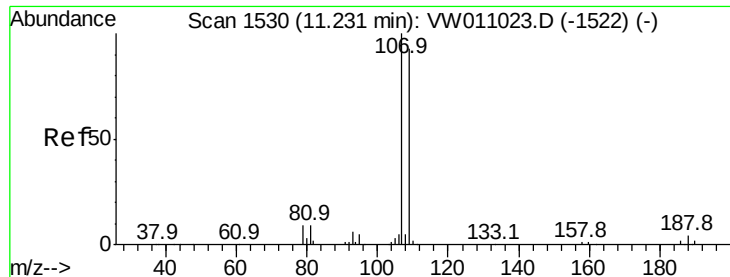
Tgt Ion: 129 Resp: 37840

Ion Ratio Lower Upper

129 100

127 78.3 39.4 118.1





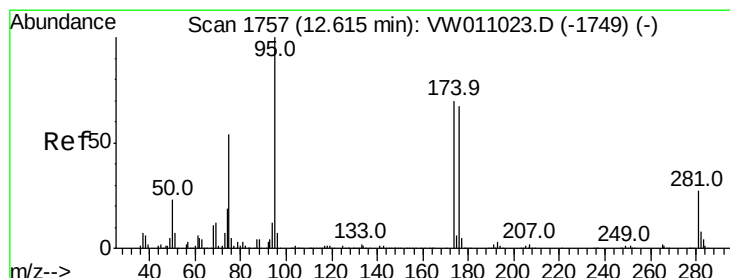
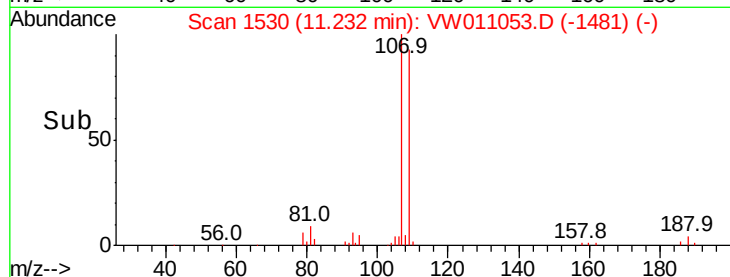
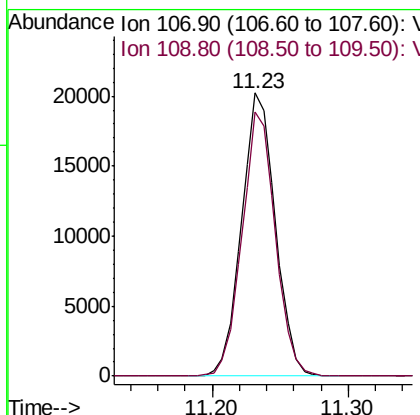
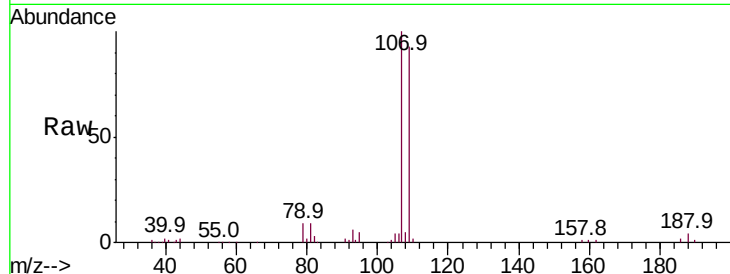
#61
 1,2-Dibromoethane
 Concen: 19.111 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. 0.00 min
 Lab File: VW011053.D
 Acq: 28 Jun 2019 11:39

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0629SBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	91.9	75.1	112.7

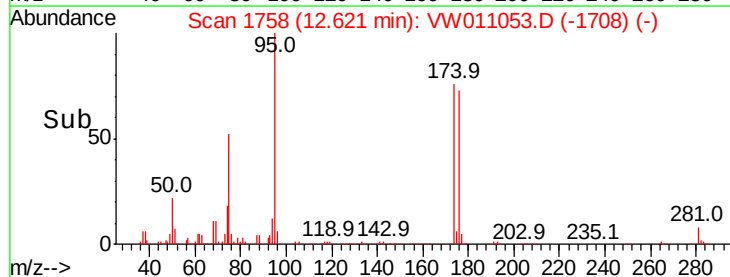
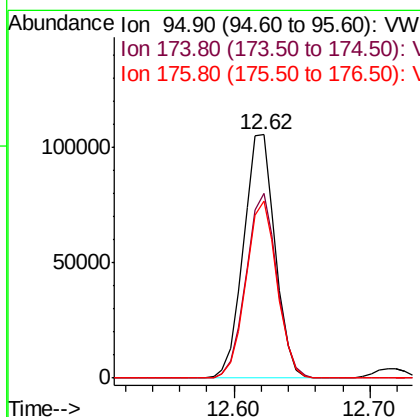
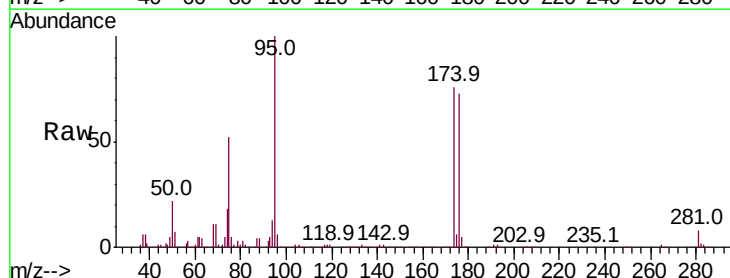
Manual Integrations
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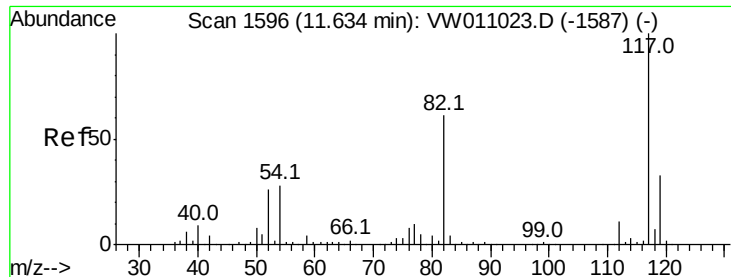
MMDadoda
 7/2/2019 12:53:00 AM



#62
 4-Bromofluorobenzene
 Concen: 50.622 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.01 min
 Lab File: VW011053.D
 Acq: 28 Jun 2019 11:39

Tgt Ion	Ratio	Lower	Upper
95	100		
174	74.4	0.0	149.2
176	71.7	0.0	143.6





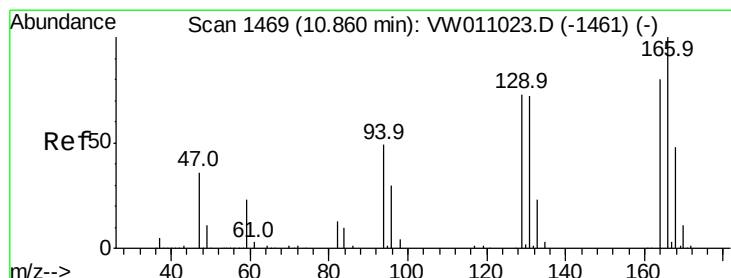
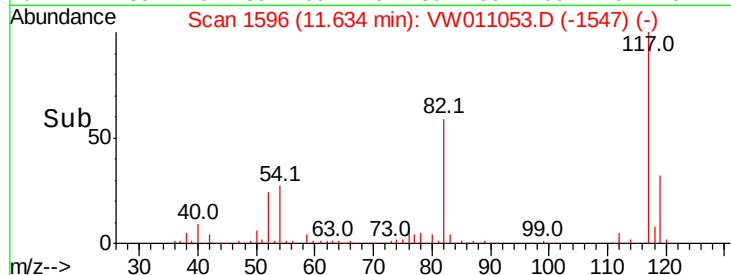
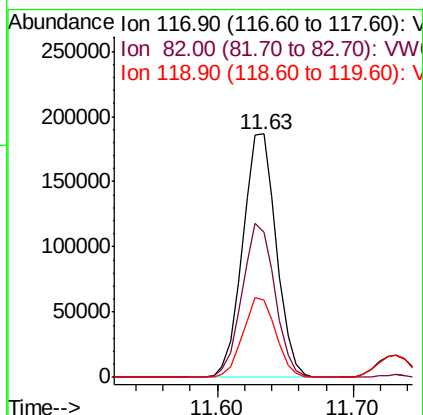
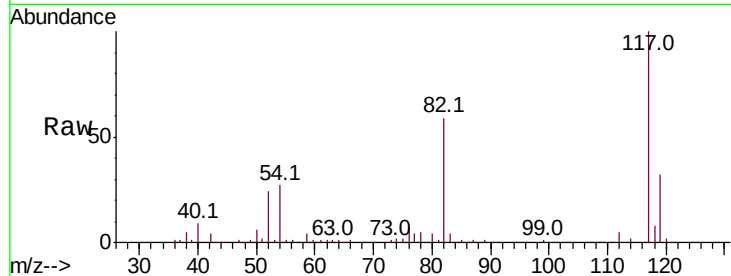
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW011053.D
Acq: 28 Jun 2019 11:39

Instrument :
MSVOA_W
ClientSampled :
VW0629SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	59.5	48.6	73.0
119	31.7	26.1	39.1

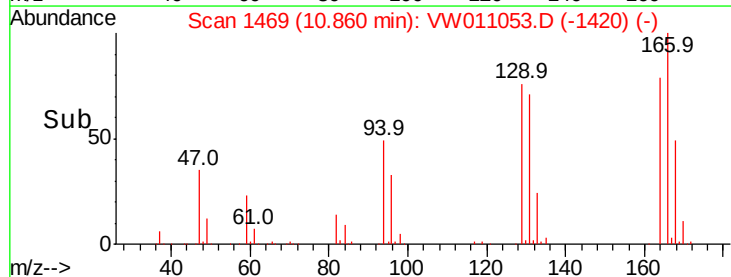
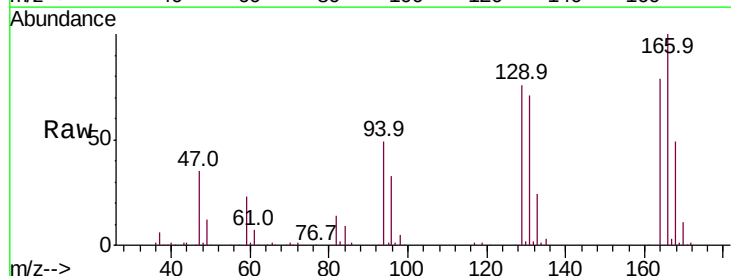
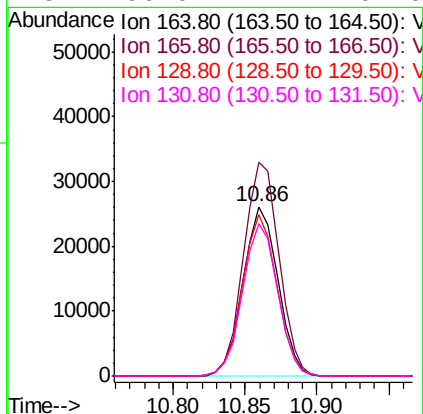
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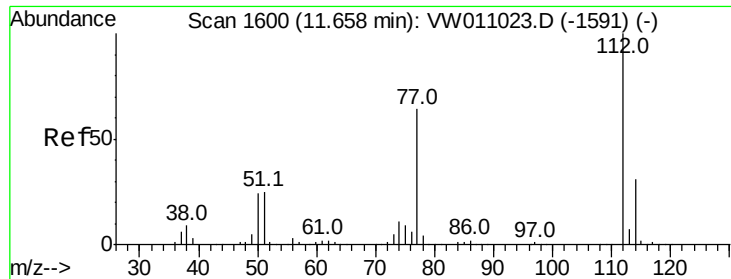
MMDadoda
7/2/2019 12:53:00 AM



#64
Tetrachloroethene
Concen: 19.837 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW011053.D
Acq: 28 Jun 2019 11:39

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.4	99.8	149.6
129	95.7	73.0	109.4
131	90.0	71.4	107.0





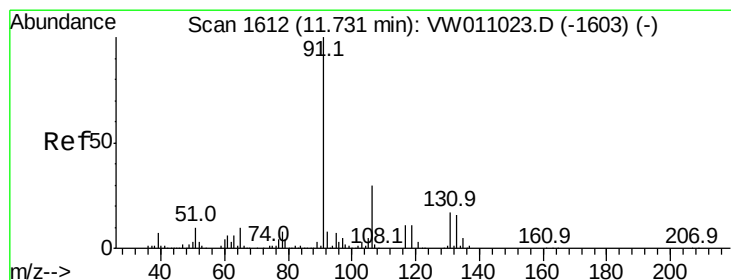
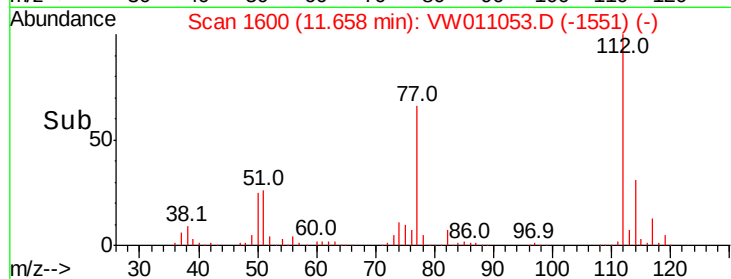
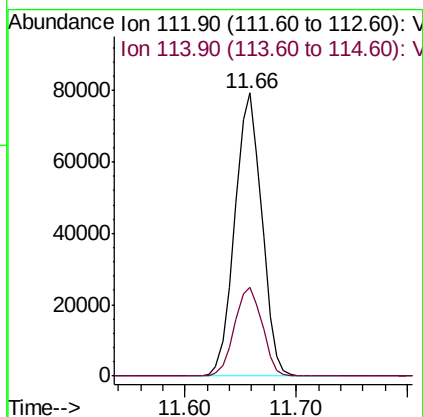
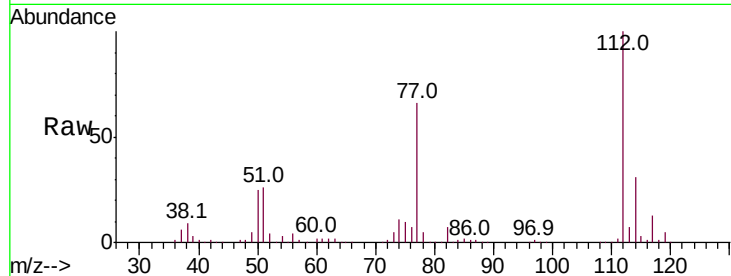
#65
Chlorobenzene
Concen: 20.165 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW011053.D
Acq: 28 Jun 2019 11:39

Instrument :
MSVOA_W
ClientSampleId :
VW0629SBSD01

Tot Ion:112 Resp: 133068
Ion Ratio Lower Upper
112 100
114 31.4 25.2 37.8

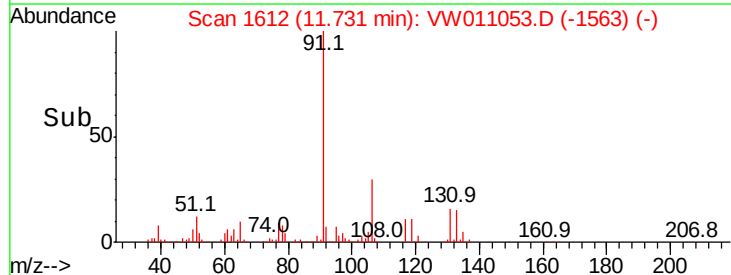
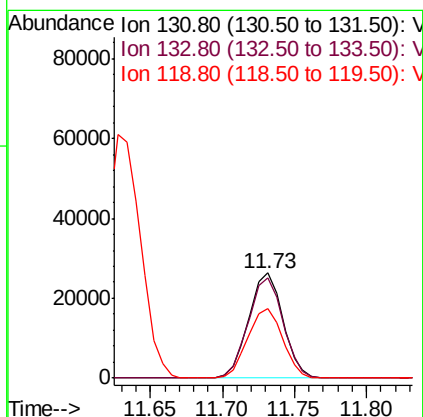
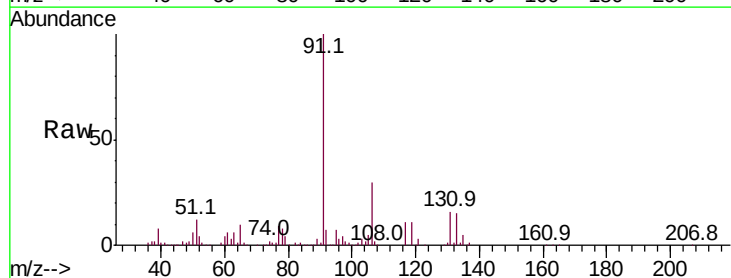
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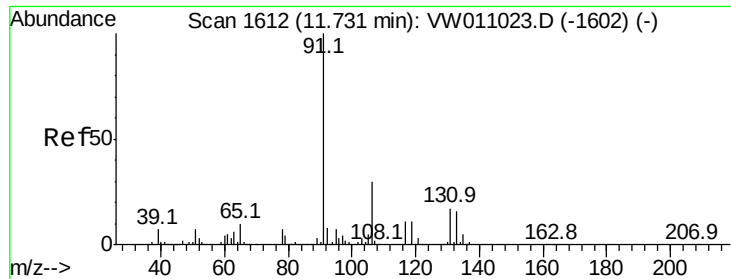
MMDadoda
7/2/2019 12:53:00 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.407 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW011053.D
Acq: 28 Jun 2019 11:39

Tgt Ion:131 Resp: 43481
Ion Ratio Lower Upper
131 100
133 96.6 47.7 143.1
119 67.5 33.1 99.2





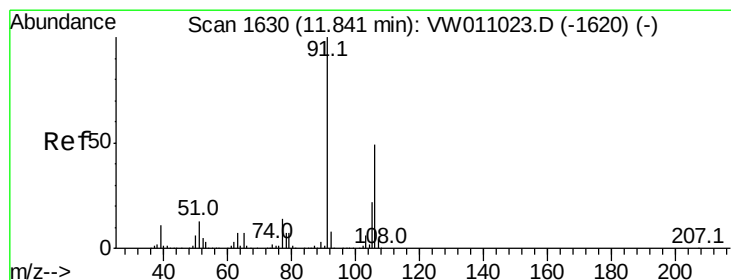
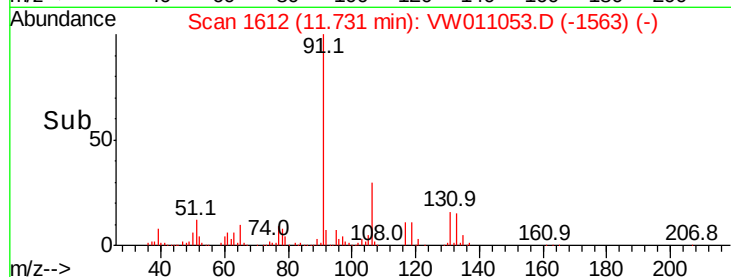
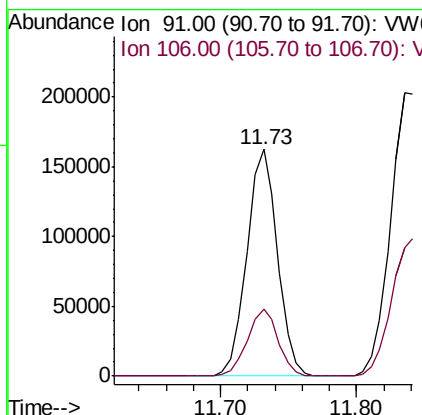
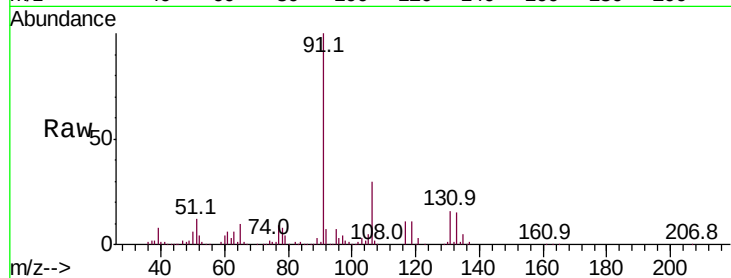
#67
Ethyl Benzene
Concen: 20.261 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW011053.D
Acq: 28 Jun 2019 11:39

Instrument :
MSVOA_W
ClientSampleId :
VW0629SBS01

Tot Ion: 91 Resp: 256076
Ion Ratio Lower Upper
91 100
106 29.6 23.8 35.6

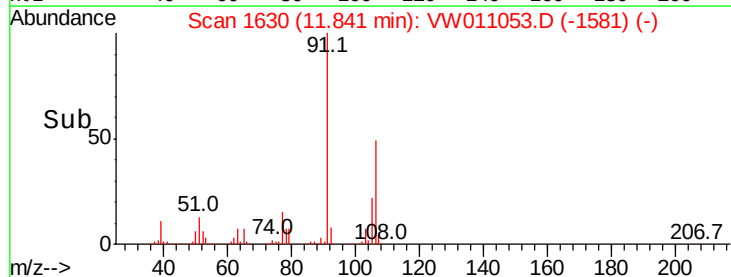
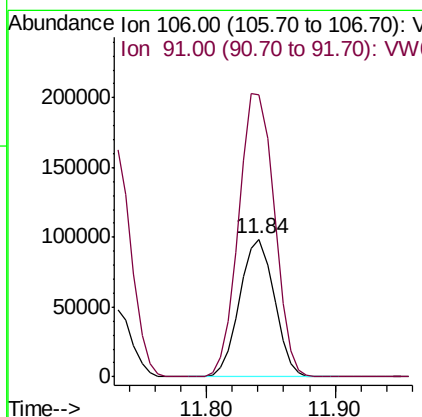
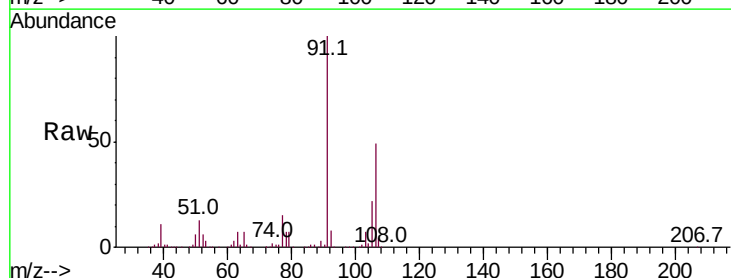
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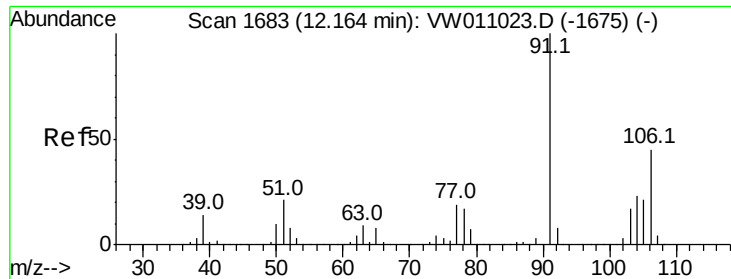
MMDadoda
7/2/2019 12:53:00 AM



#68
m/p-Xylenes
Concen: 40.271 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW011053.D
Acq: 28 Jun 2019 11:39

Tgt Ion: 106 Resp: 184693
Ion Ratio Lower Upper
106 100
91 211.2 167.5 251.3





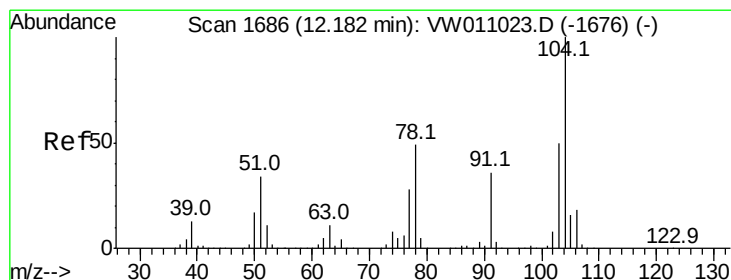
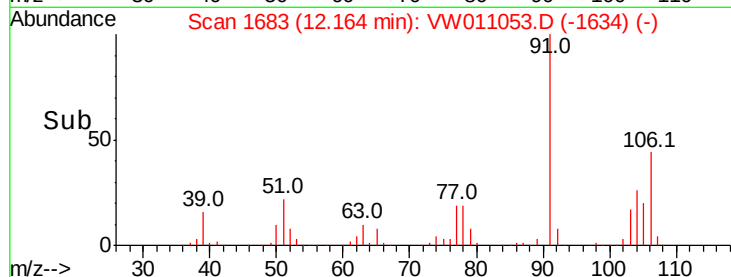
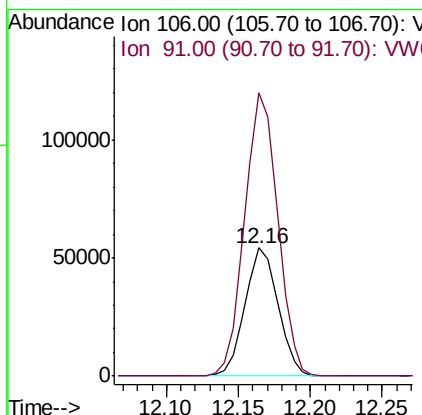
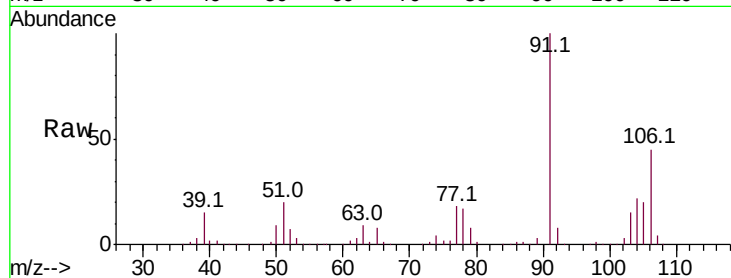
#69
o-Xylene
Concen: 20.200 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW011053.D
Acq: 28 Jun 2019 11:39

Instrument :
MSVOA_W
ClientSampled :
VW0629SBS01

Tot Ion:106 Resp: 86289
Ion Ratio Lower Upper
106 100
91 221.5 110.8 332.3

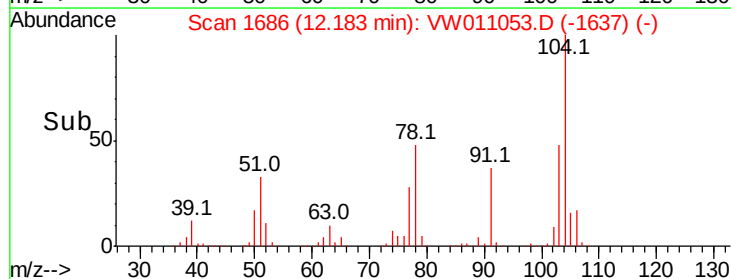
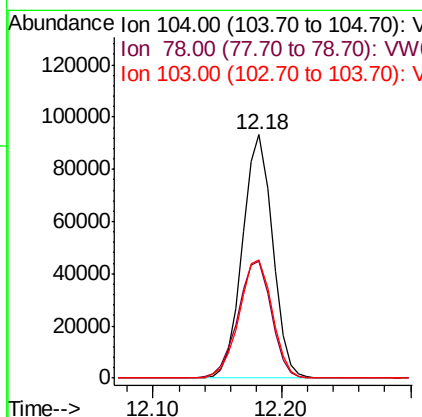
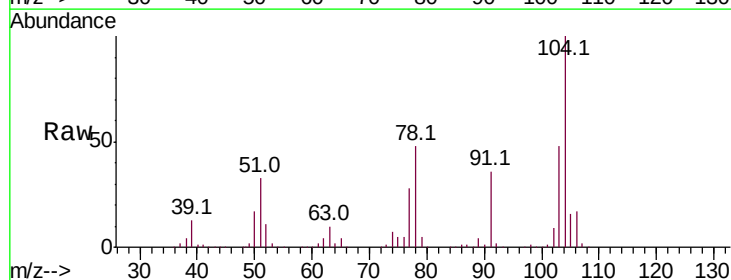
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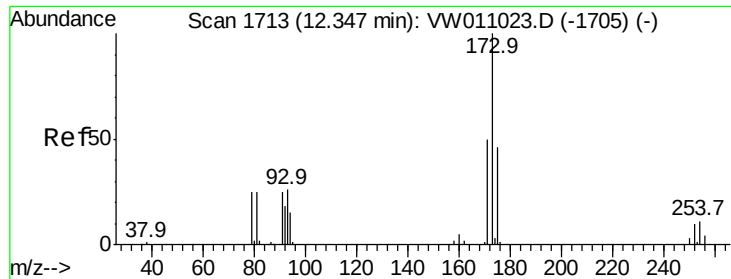
MMDadoda
7/2/2019 12:53:00 AM



#70
Styrene
Concen: 20.254 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW011053.D
Acq: 28 Jun 2019 11:39

Tgt Ion:104 Resp: 150345
Ion Ratio Lower Upper
104 100
78 53.9 43.7 65.5
103 53.6 43.9 65.9





#71

Bromoform

Concen: 18.384 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW011053.D

Acq: 28 Jun 2019 11:39

Instrument :

MSVOA_W

ClientSampleId :

VW0629SBS01

Tot Ion:173 Resp: 20080

Ion Ratio Lower Upper

173 100

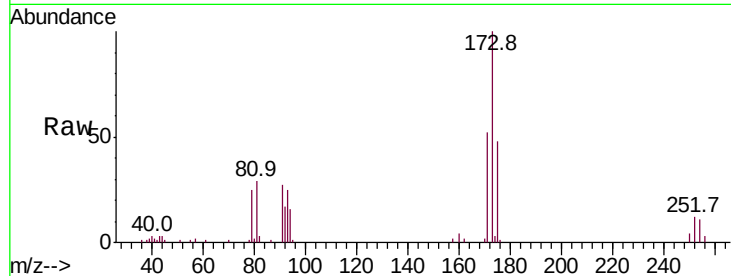
175 48.8 24.1 72.2

254 0.0 0.0 0.0

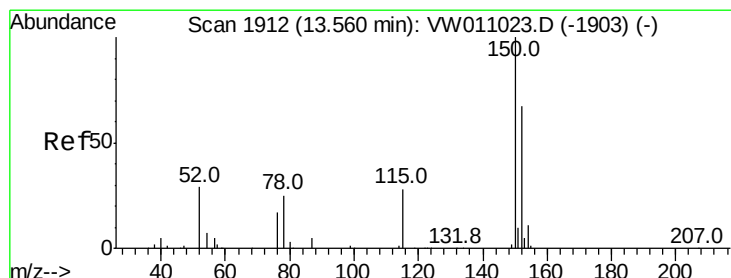
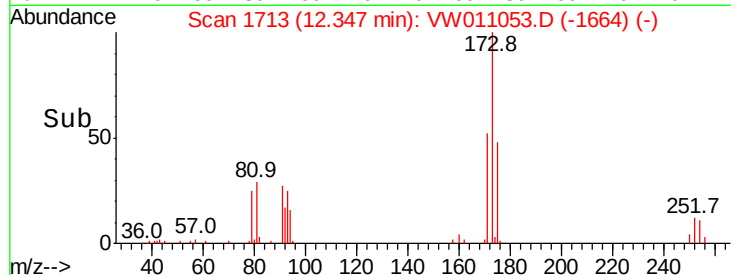
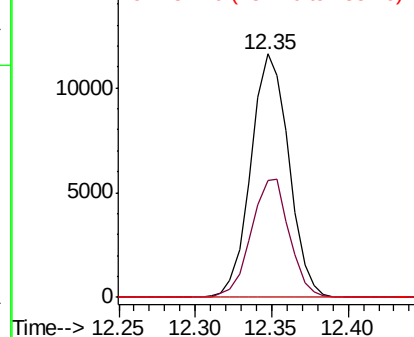
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW011053.D

Acq: 28 Jun 2019 11:39

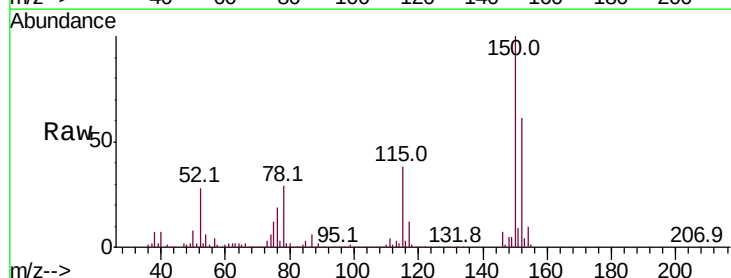
Tgt Ion:152 Resp: 158001

Ion Ratio Lower Upper

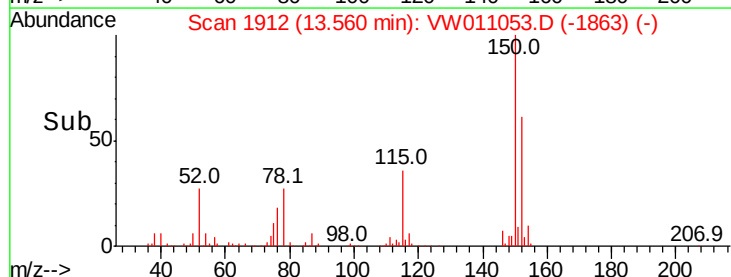
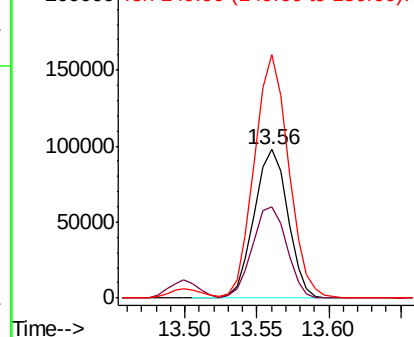
152 100

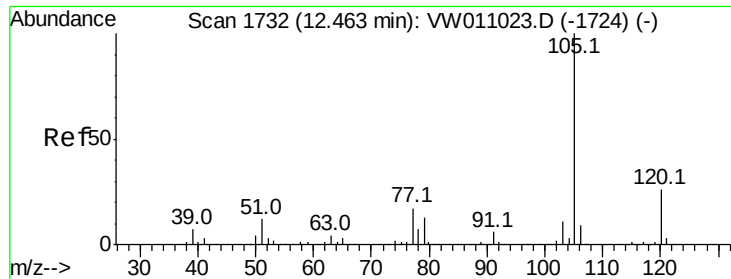
115 62.6 30.7 92.1

150 166.6 0.0 341.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





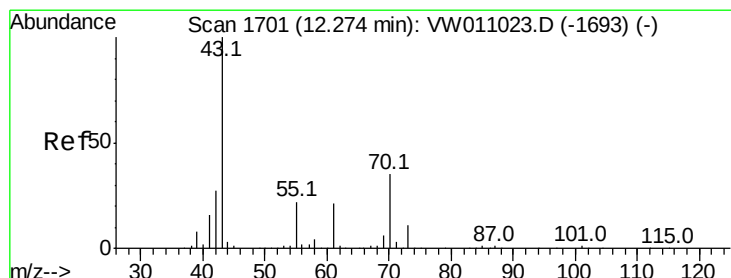
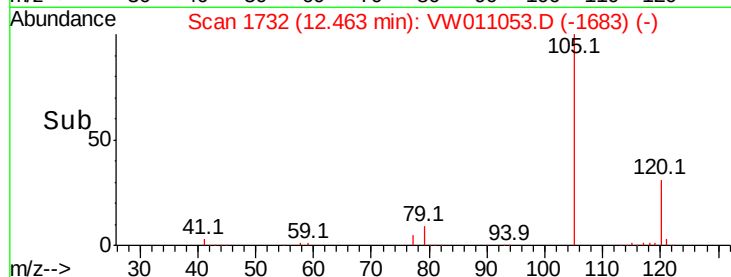
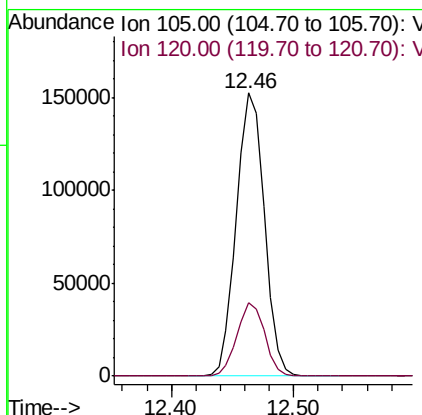
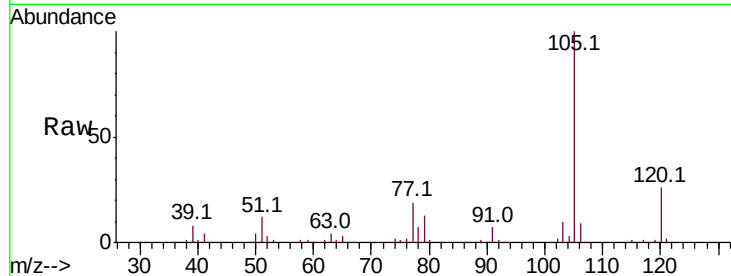
#73
Isopropylbenzene
Concen: 20.410 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. 0.00 min
Lab File: VW011053.D
Acq: 28 Jun 2019 11:39

Instrument :
MSVOA_W
ClientSampled :
VW0629SBS01

Tot Ion:105 Resp: 241586
Ion Ratio Lower Upper
105 100
120 25.7 12.9 38.6

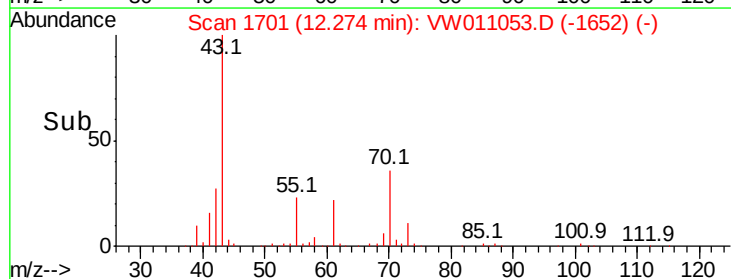
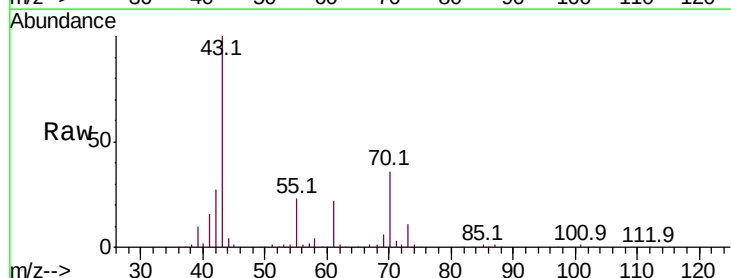
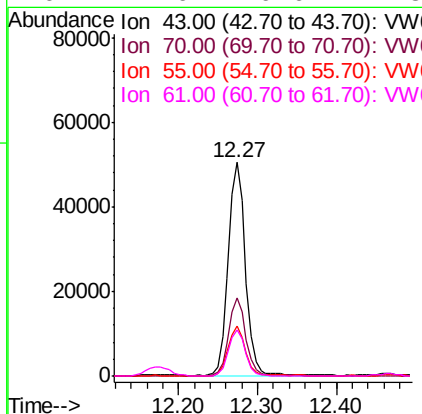
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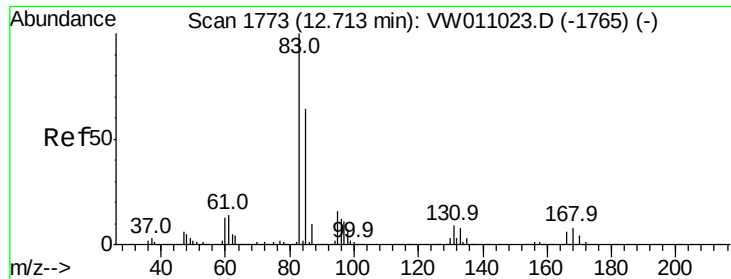
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#74
N-ethyl acetate
Concen: 19.215 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. 0.00 min
Lab File: VW011053.D
Acq: 28 Jun 2019 11:39

Tgt Ion: 43 Resp: 76384
Ion Ratio Lower Upper
43 100
70 36.1 28.2 42.4
55 24.3 17.8 26.8
61 21.6 16.6 24.8





#75

1,1,2,2-Tetrachloroethane

Concen: 19.353 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW011053.D

Acq: 28 Jun 2019 11:39

Instrument :

MSVOA_W

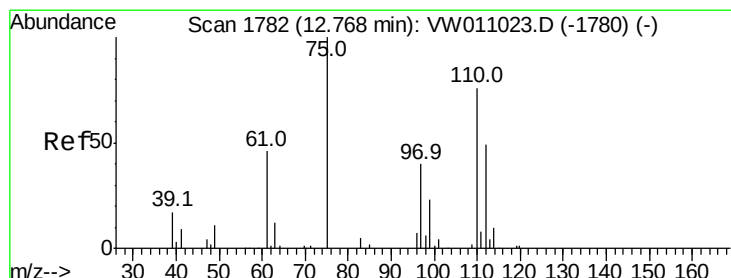
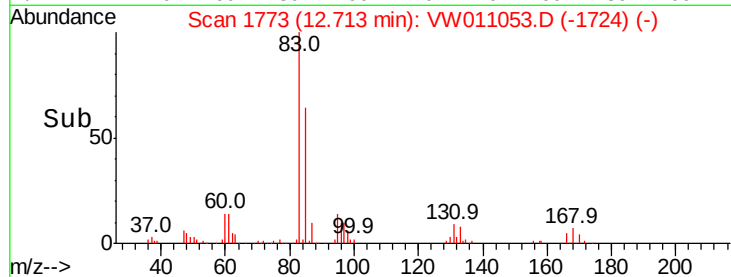
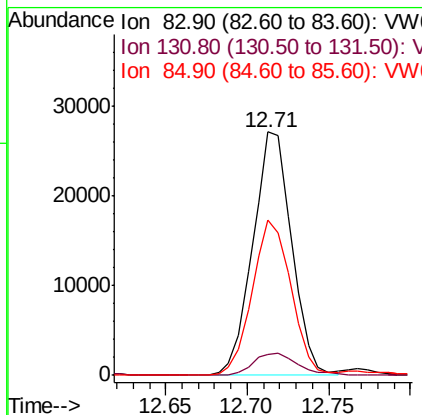
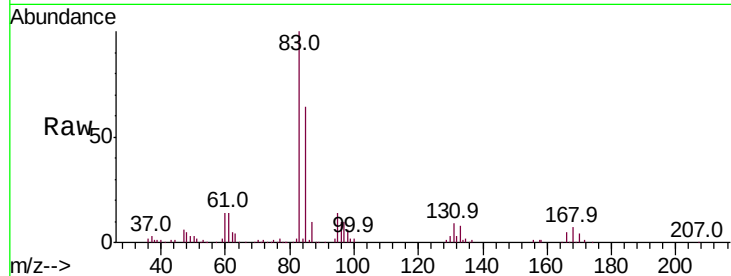
ClientSampleId :

VW0629SBSD01

Tot Ion:	83	Resp:	44984
Ion Ratio	Lower	Upper	
83	100		
131	10.3	5.0	14.9
85	63.8	31.8	95.4

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#76

1,2,3-Trichloropropane

Concen: 19.331 ug/l m

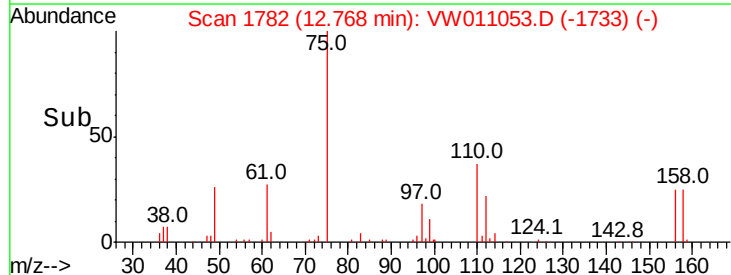
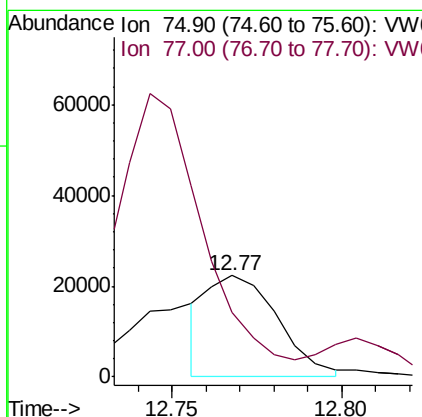
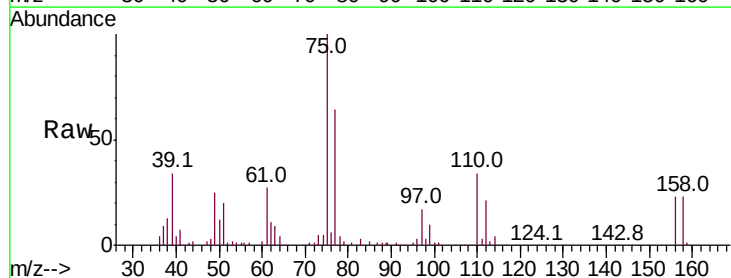
RT: 12.77 min Scan# 1782

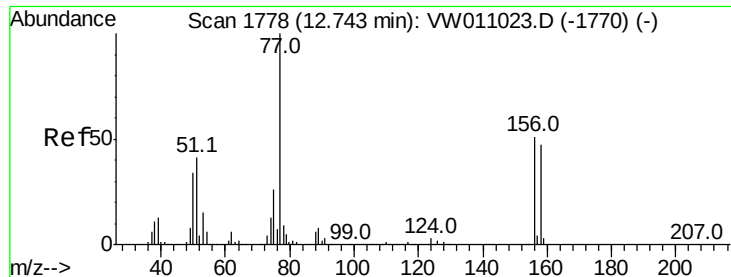
Delta R.T. 0.00 min

Lab File: VW011053.D

Acq: 28 Jun 2019 11:39

Tgt Ion:	75	Resp:	32246
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.471 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.01 min

Lab File: VW011053.D

Acq: 28 Jun 2019 11:39

Instrument :

MSVOA_W

ClientSampleId :

VW0629SBSD01

Tot Ion:156 Resp: 53260

Ion Ratio Lower Upper

156 100

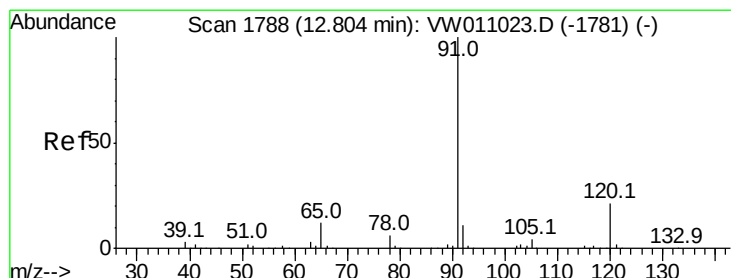
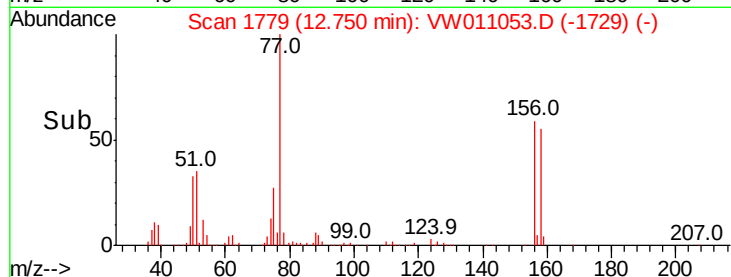
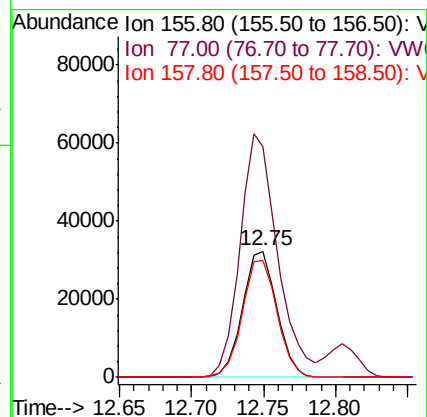
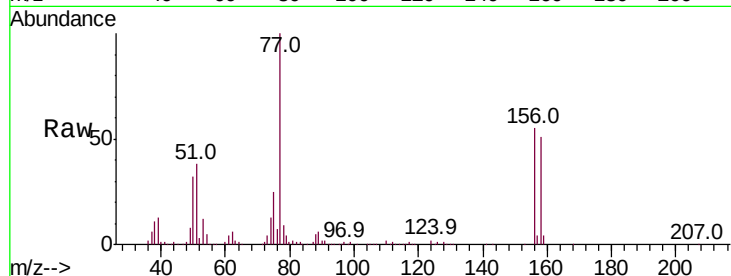
77 212.0 109.5 328.5

158 94.3 48.6 145.9

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7/2/2019 12:53:00 AM



#78

n-propylbenzene

Concen: 20.531 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW011053.D

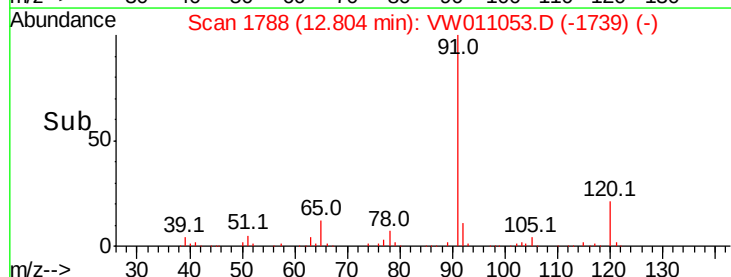
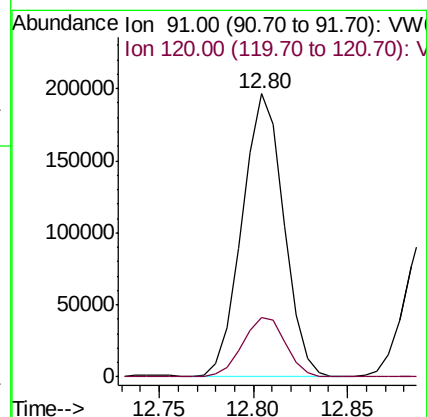
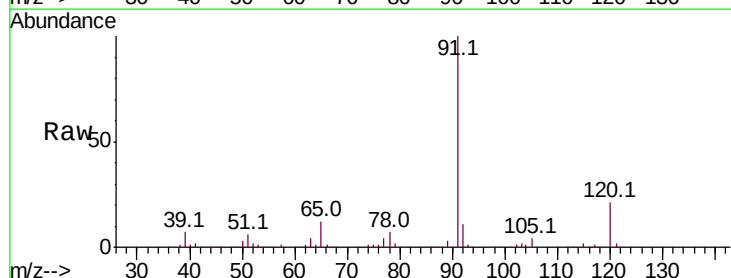
Acq: 28 Jun 2019 11:39

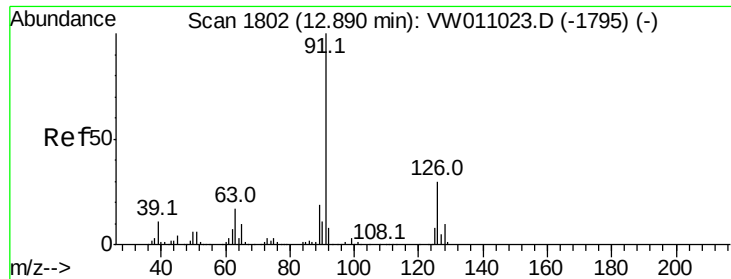
Tgt Ion: 91 Resp: 300942

Ion Ratio Lower Upper

91 100

120 21.7 10.5 31.6





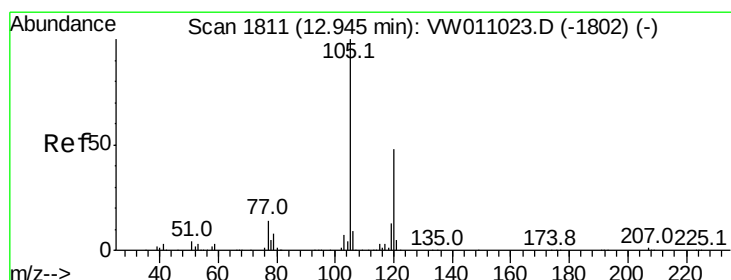
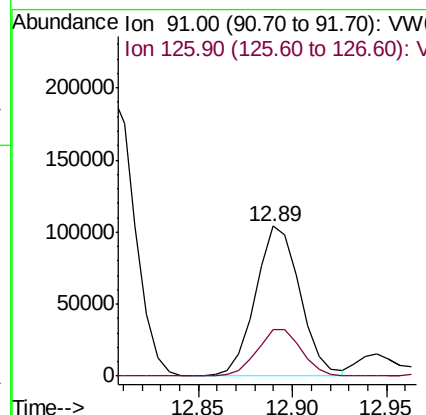
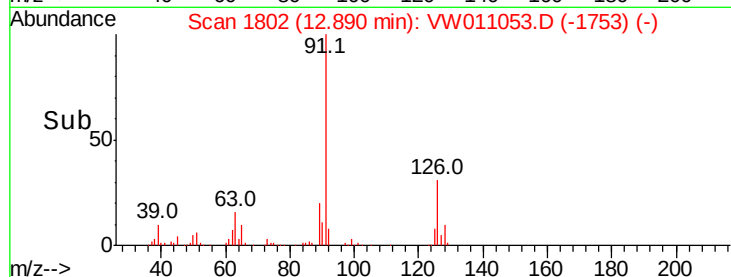
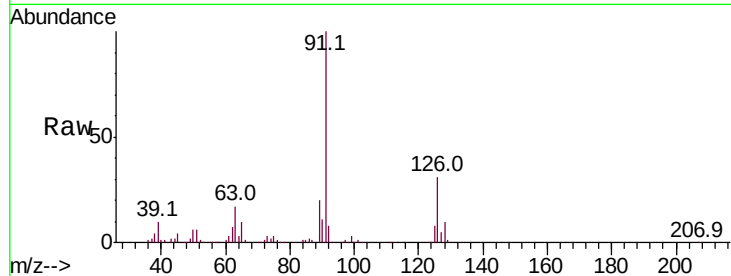
#79
 2-Chlorotoluene
 Concen: 20.336 ug/l
 RT: 12.89 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VW011053.D
 Acq: 28 Jun 2019 11:39

Instrument :
 MSVOA_W
 ClientSampled :
 VW0629SBS01

Tot Ion: 91 Resp: 170297
 Ion Ratio Lower Upper
 91 100
 126 31.3 15.4 46.4

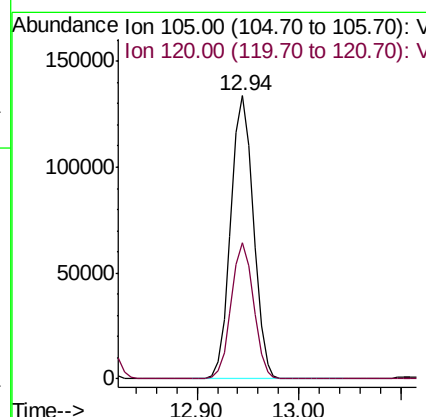
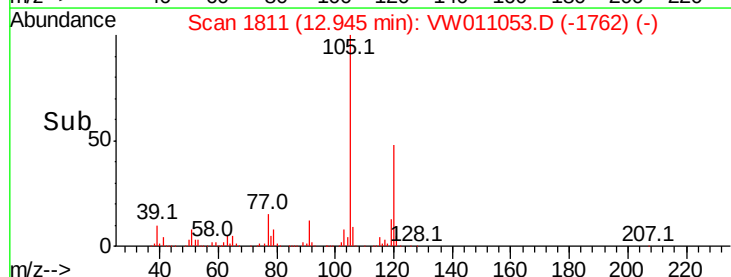
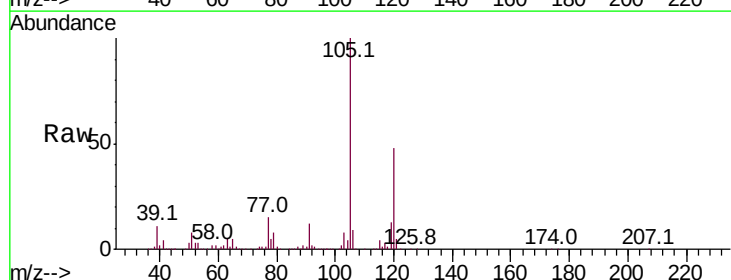
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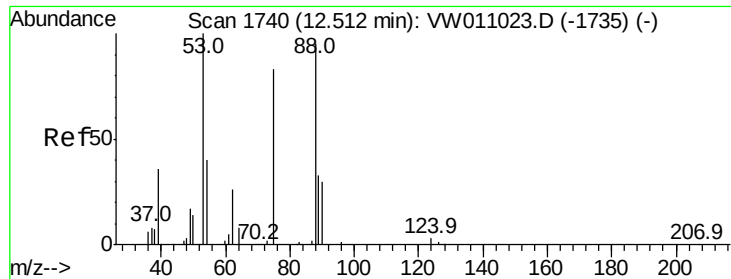
MMDadoda
 7/2/2019 12:53:00 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 20.524 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. 0.00 min
 Lab File: VW011053.D
 Acq: 28 Jun 2019 11:39

Tgt Ion: 105 Resp: 205908
 Ion Ratio Lower Upper
 105 100
 120 47.5 23.8 71.5





#81

trans-1,4-Dichloro-2-butene

Concen: 18.576 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW011053.D

Acq: 28 Jun 2019 11:39

Instrument :

MSVOA_W

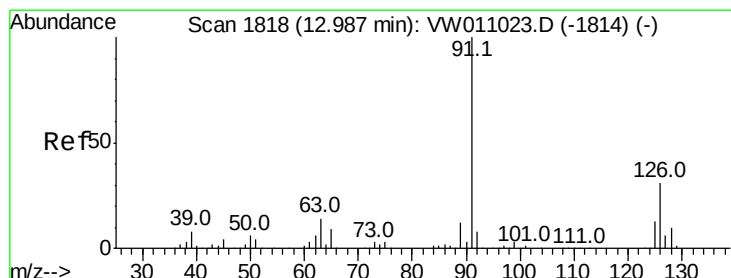
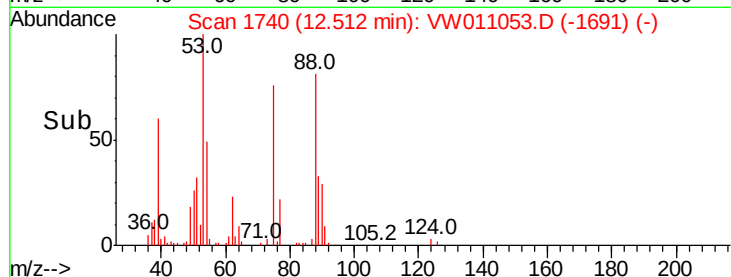
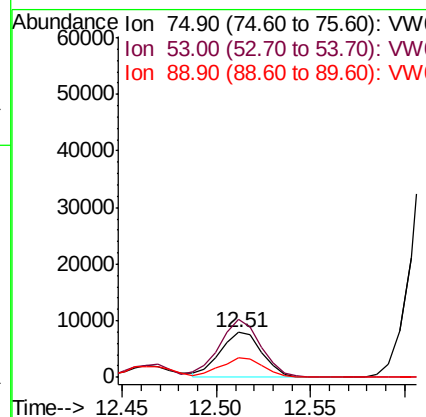
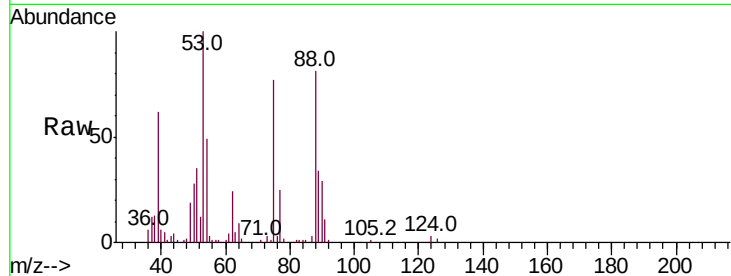
ClientSampleId :

VW0629SBSD01

Tot Ion:	75	Resp:	12361
Ion	Ratio	Lower	Upper
75	100		
53	127.1	95.6	143.4
89	44.6	34.4	51.6

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#82

4-Chlorotoluene

Concen: 20.405 ug/l

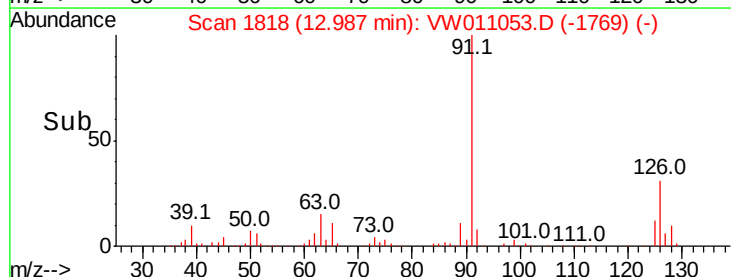
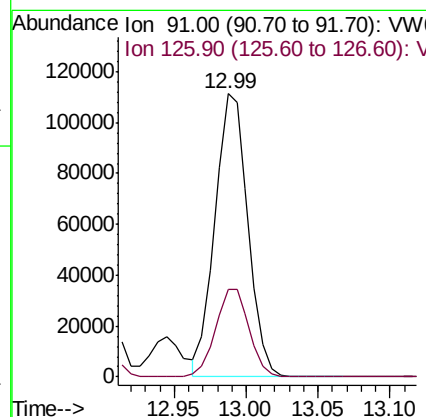
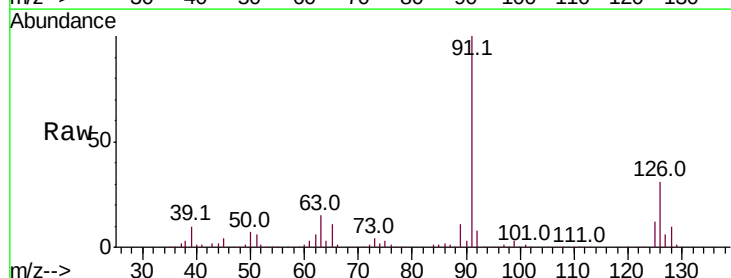
RT: 12.99 min Scan# 1818

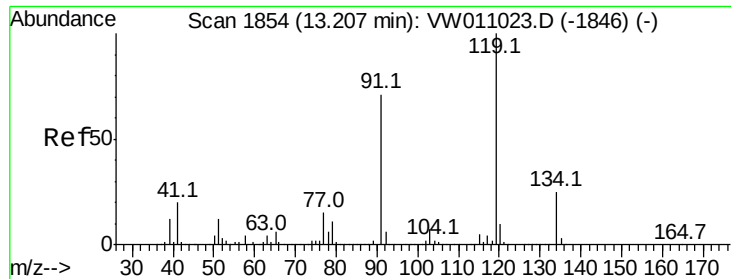
Delta R.T. 0.00 min

Lab File: VW011053.D

Acq: 28 Jun 2019 11:39

Tgt Ion:	91	Resp:	178069
Ion	Ratio	Lower	Upper
91	100		
126	31.6	15.7	47.1





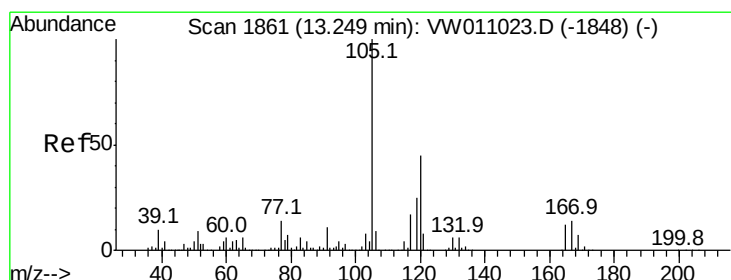
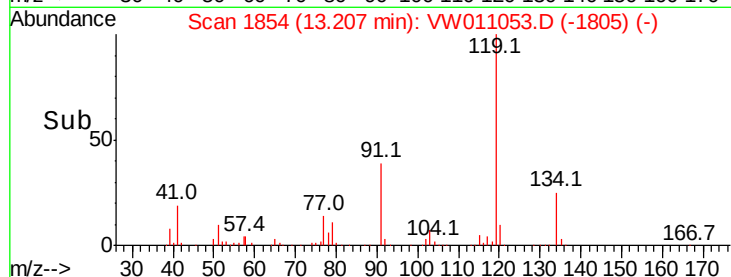
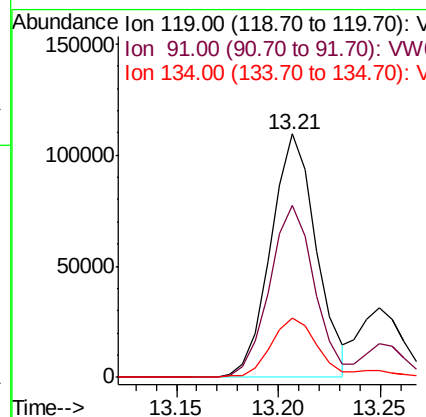
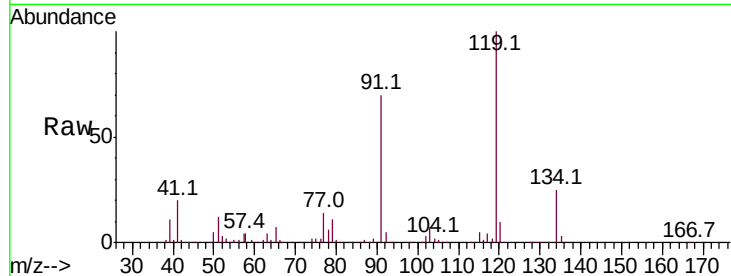
#83
 tert-Butylbenzene
 Concen: 20.434 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VW011053.D
 Acq: 28 Jun 2019 11:39

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0629SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	170947		
91	70.8	35.5	106.5	
134	25.0	12.4	37.2	

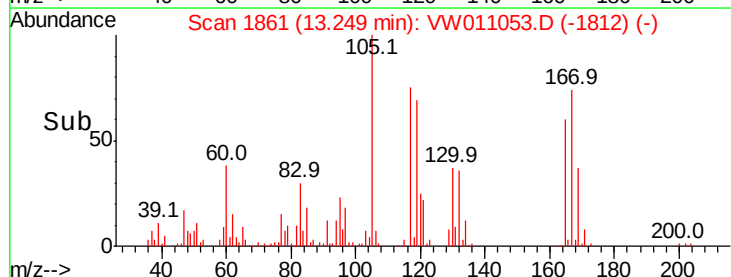
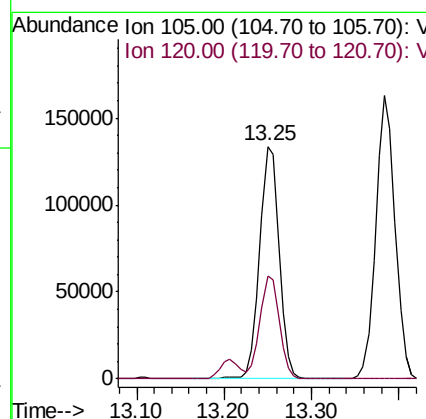
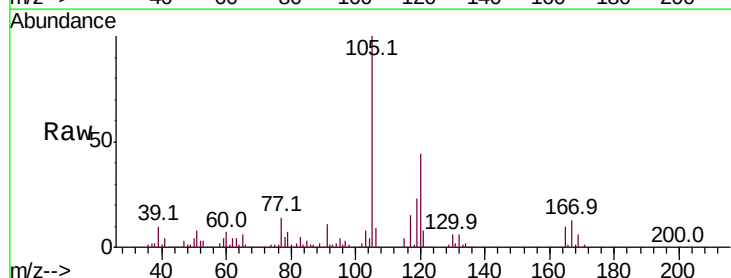
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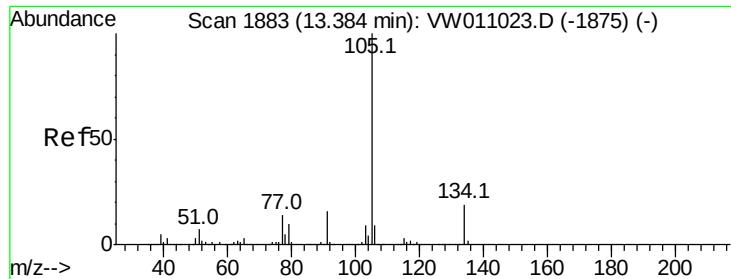
MMDadoda
 7/2/2019 12:53:00 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 20.430 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VW011053.D
 Acq: 28 Jun 2019 11:39

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	207165		
120	43.9	22.4	67.2	





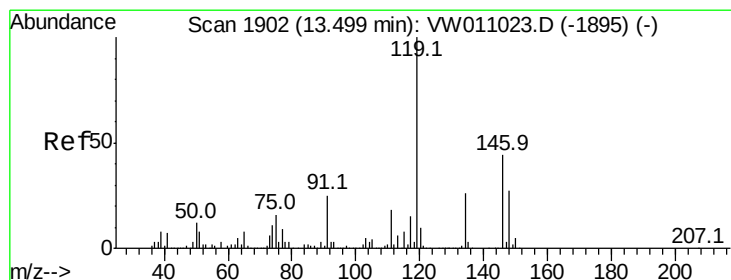
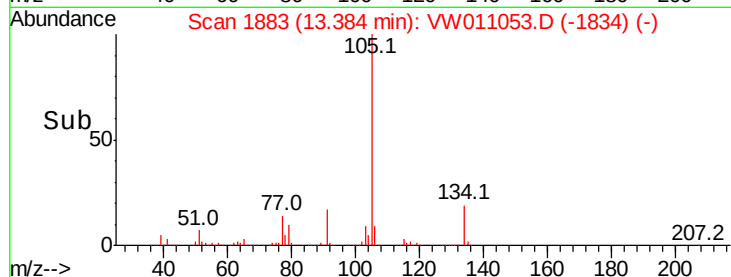
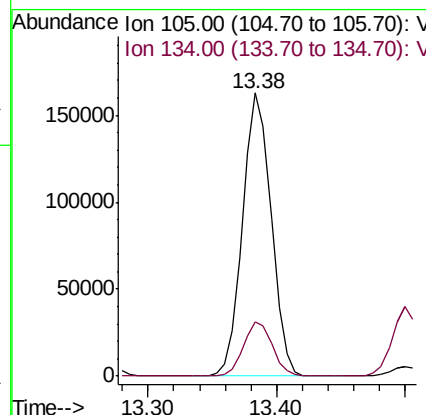
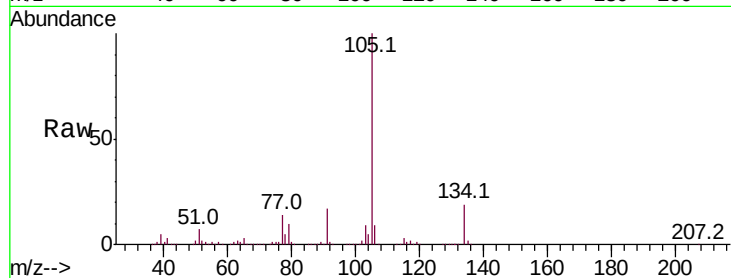
#85
 sec-Butylbenzene
 Concen: 20.563 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW011053.D
 Acq: 28 Jun 2019 11:39

Instrument :
 MSVOA_W
 ClientSampled :
 VW0629SBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	249905		
134	19.3	9.6	28.8	

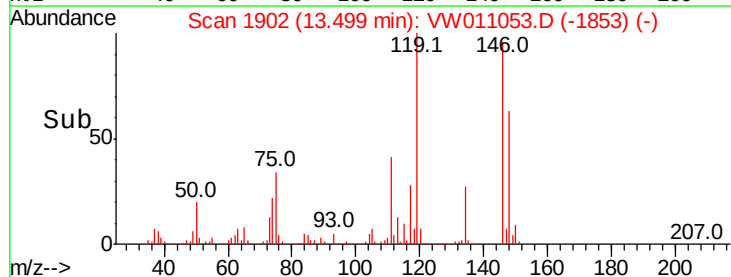
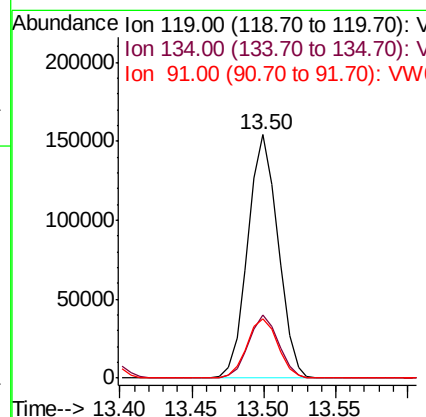
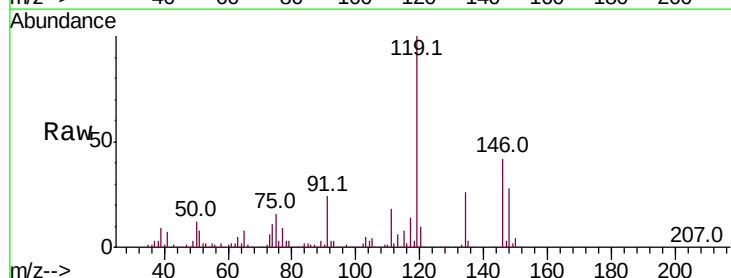
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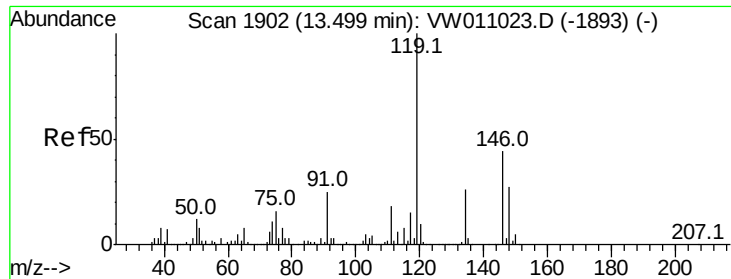
MMDadoda
 7/2/2019 12:53:00 AM



#86
 p-Isopropyltoluene
 Concen: 20.511 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW011053.D
 Acq: 28 Jun 2019 11:39

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	224324		
134	25.6	12.9	38.7	
91	25.0	12.3	36.9	





#87

1,3-Dichlorobenzene

Concen: 20.304 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW011053.D

Acq: 28 Jun 2019 11:39

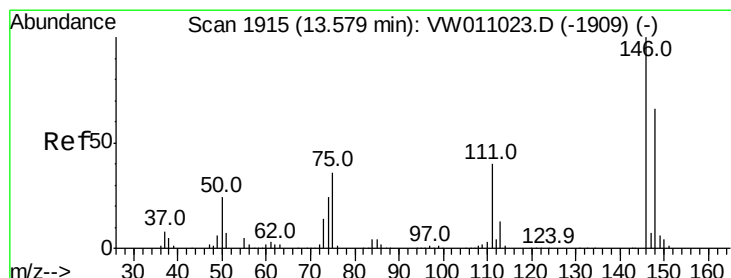
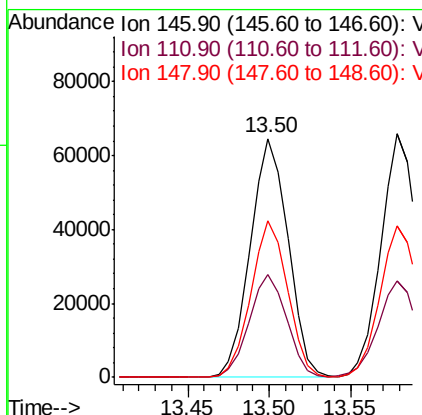
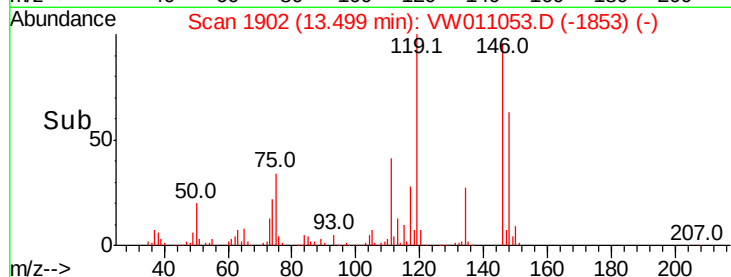
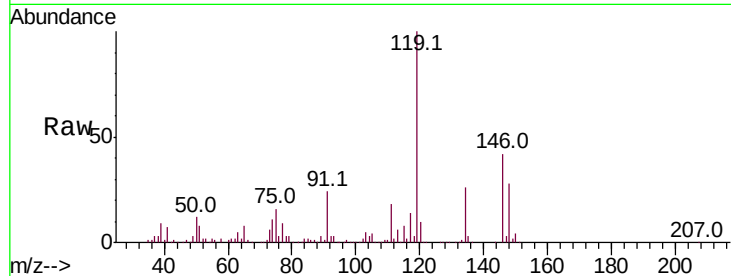
Instrument :
MSVOA_W

ClientSampleId :
VW0629SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
146	100			
111	42.6	20.9	62.8	
148	63.5	31.8	95.4	

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7/2/2019 12:53:00 AM



#88

1,4-Dichlorobenzene

Concen: 20.107 ug/l

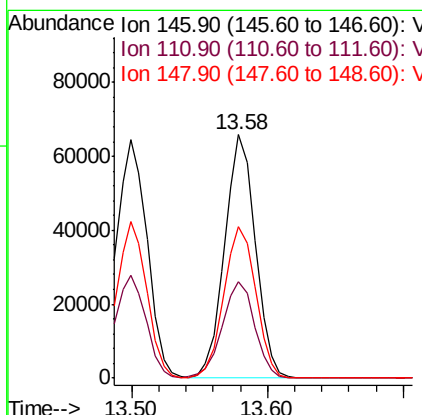
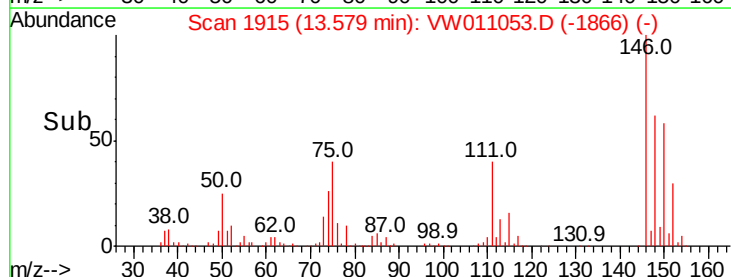
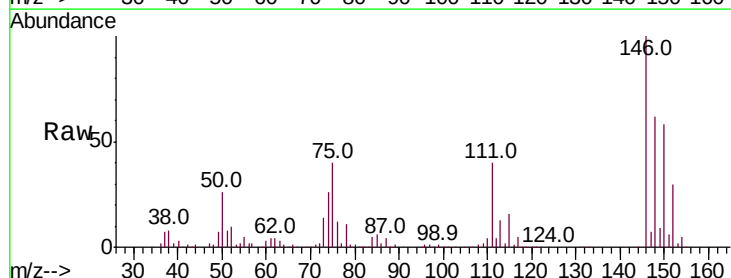
RT: 13.58 min Scan# 1915

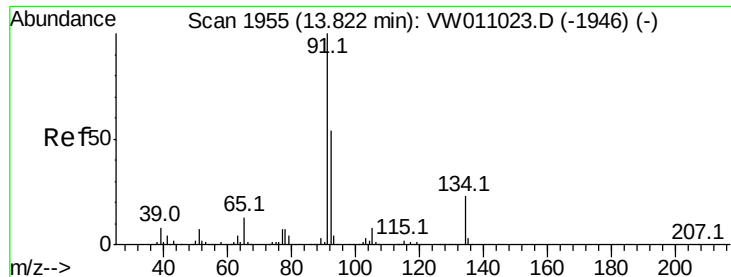
Delta R.T. 0.00 min

Lab File: VW011053.D

Acq: 28 Jun 2019 11:39

Tgt Ion	Ratio	Resp	Lower	Upper
146	100			
111	42.0	20.6	61.9	
148	64.7	32.4	97.2	





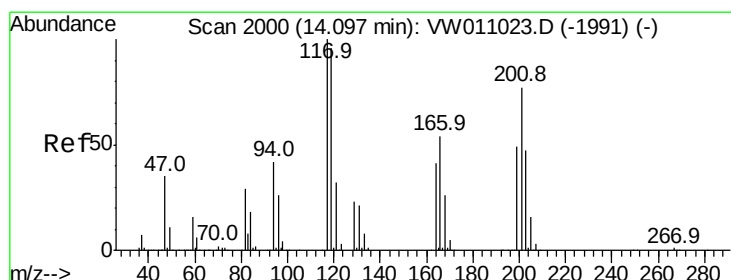
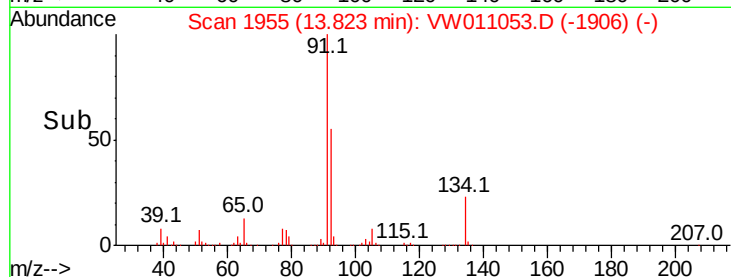
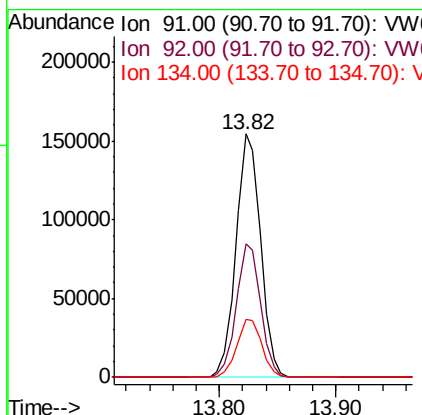
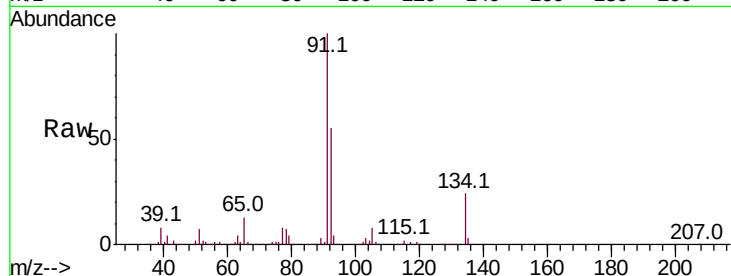
#89
n-Butylbenzene
Concen: 20.481 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. 0.00 min
Lab File: VW011053.D
Acq: 28 Jun 2019 11:39

Instrument :
MSVOA_W
ClientSampleId :
VW0629SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	227659		
92	54.3		27.1	81.2
134	24.1		12.0	36.1

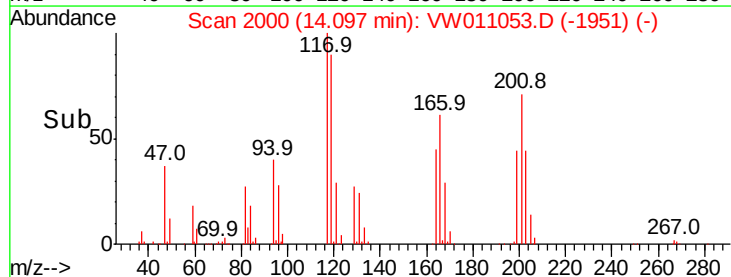
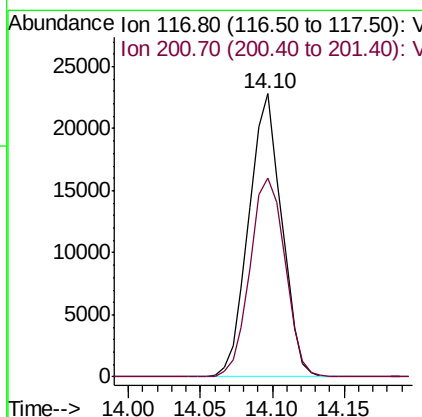
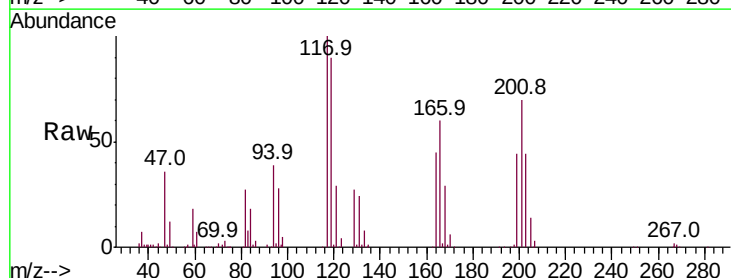
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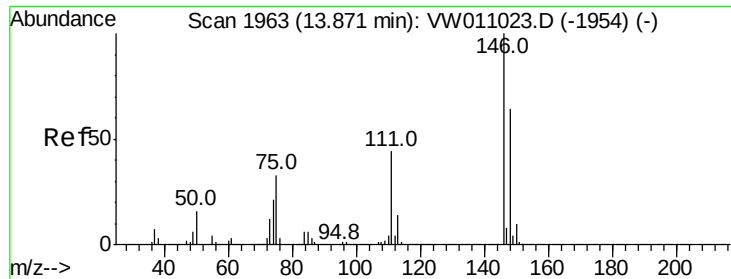
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#90
Hexachloroethane
Concen: 19.348 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW011053.D
Acq: 28 Jun 2019 11:39

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	36205		
201	74.8		38.0	114.0





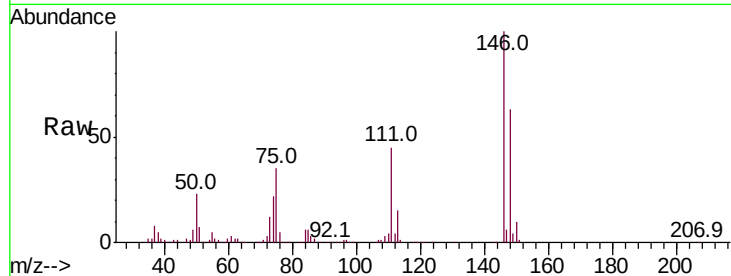
#91
1,2-Dichlorobenzene
Concen: 20.033 ug/l
RT: 13.87 min Scan# 1963
Delta R.T. 0.00 min
Lab File: VW011053.D
Acq: 28 Jun 2019 11:39

Instrument :
MSVOA_W
ClientSampleId :
VW0629SBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.1	21.4	64.3
148	64.1	31.8	95.3

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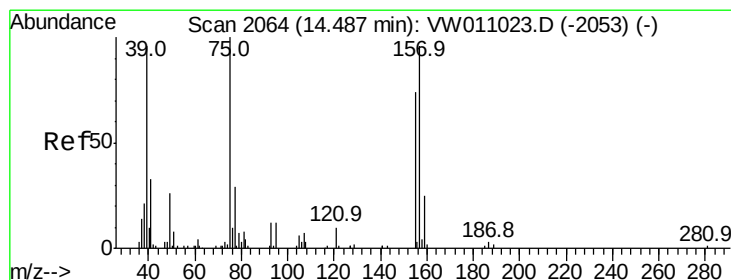
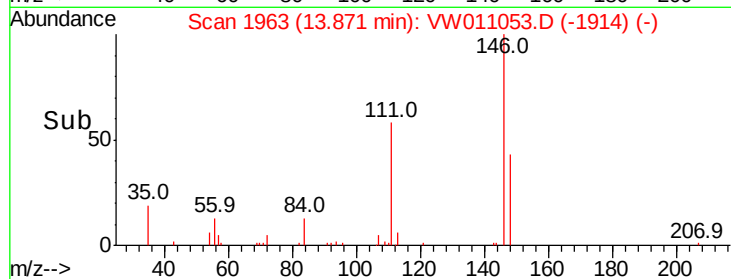
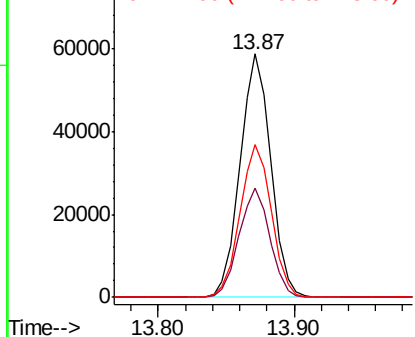


Abundance

Ion 145.90 (145.60 to 146.60): V

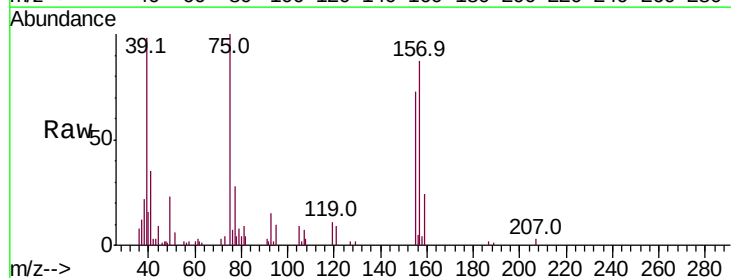
Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92
1,2-Dibromo-3-Chloropropane
Concen: 18.670 ug/l
RT: 14.49 min Scan# 2064
Delta R.T. 0.00 min
Lab File: VW011053.D
Acq: 28 Jun 2019 11:39

Tgt Ion	Ratio	Lower	Upper
75	100		
155	73.5	37.0	110.9
157	89.4	45.9	137.7

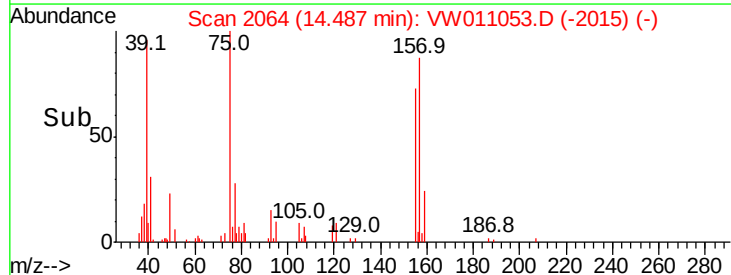
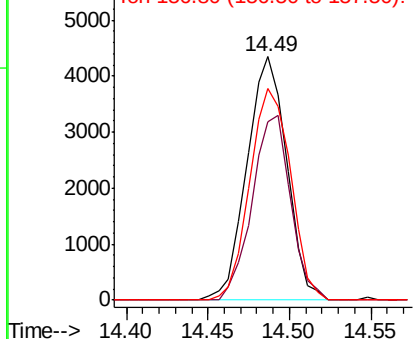


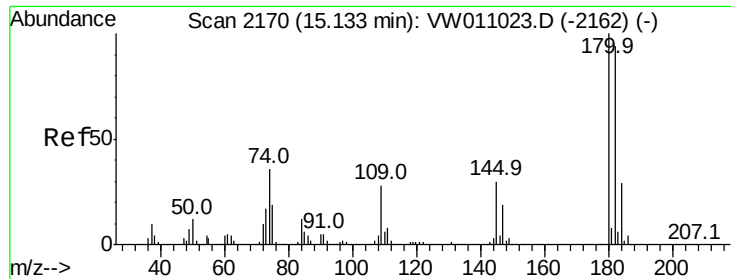
Abundance

Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





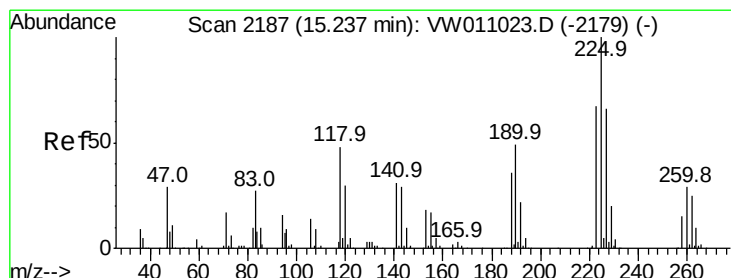
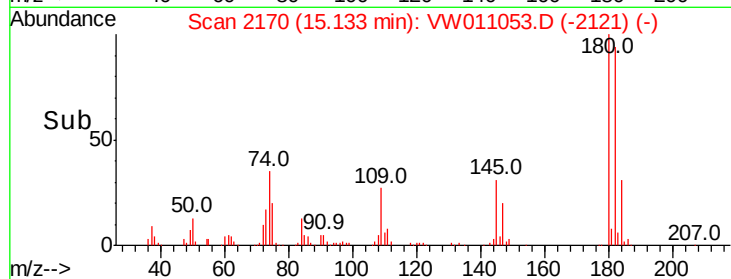
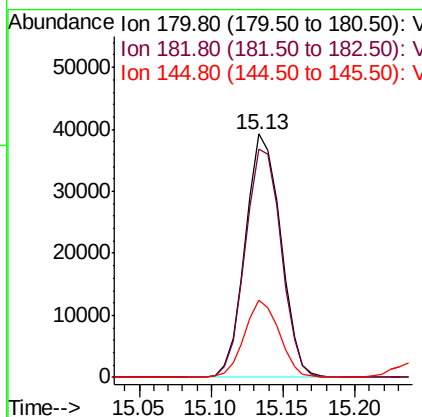
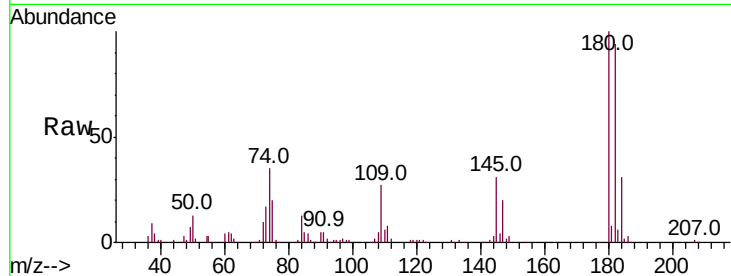
#93
 1,2,4-Trichlorobenzene
 Concen: 20.533 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW011053.D
 Acq: 28 Jun 2019 11:39

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0629SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.4	47.4	142.2	
145	31.0	15.3	45.8	

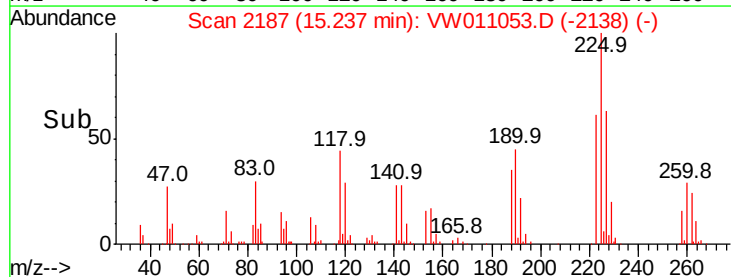
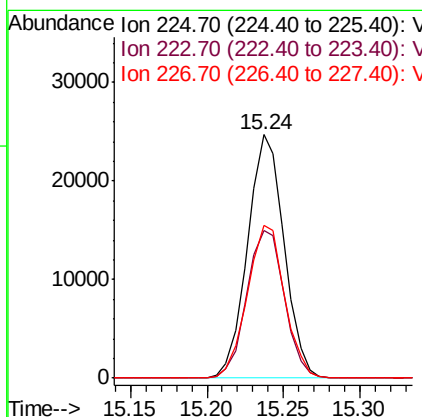
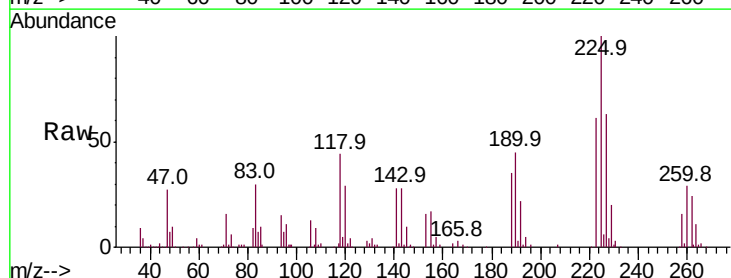
Manual Integrations
 APPROVED

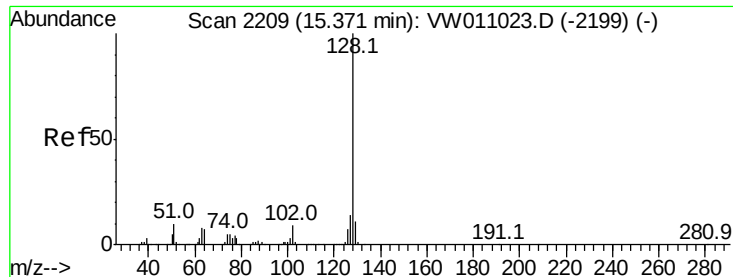
MMDadoda
 7/2/2019 12:53:00 AM



#94
 Hexachlorobutadiene
 Concen: 20.817 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.00 min
 Lab File: VW011053.D
 Acq: 28 Jun 2019 11:39

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.4	31.9	95.9	
227	63.8	31.9	95.9	





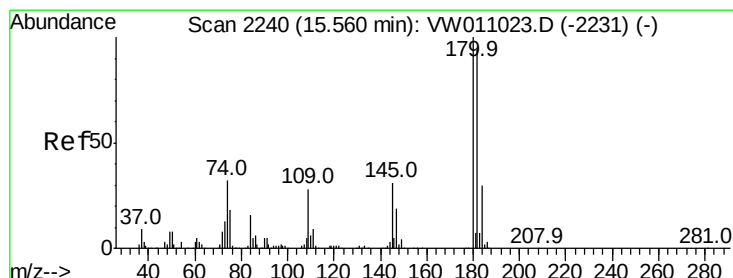
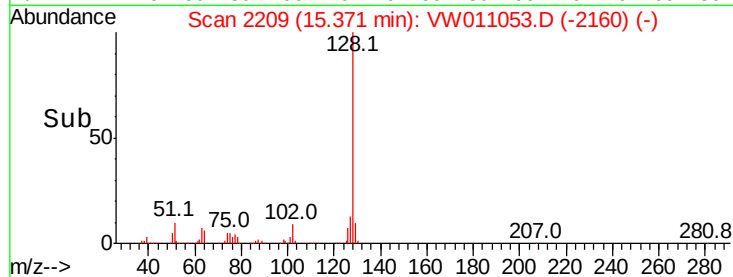
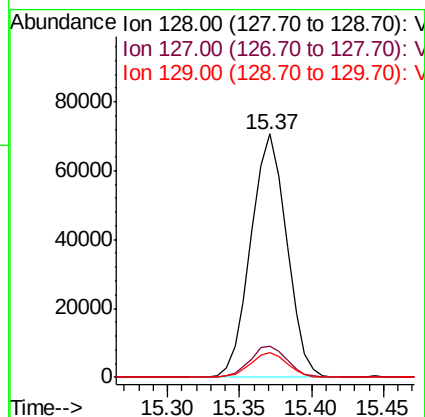
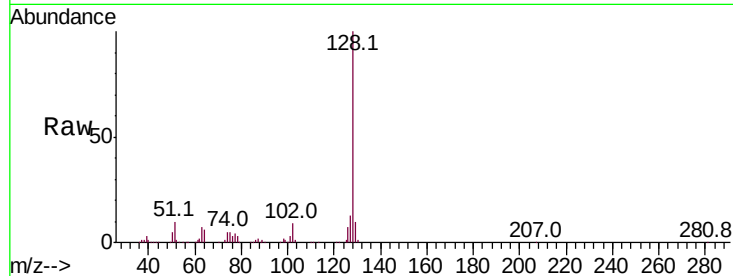
#95
Naphthalene
Concen: 19.960 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW011053.D
Acq: 28 Jun 2019 11:39

Instrument :
MSVOA_W
ClientSampleId :
VW0629SBS01

Tot Ion:128	Resp:	121932
Ion Ratio	Lower	Upper
128 100		
127 13.2	10.7	16.1
129 10.5	8.8	13.2

Manual Integrations
APPROVED

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7/2/2019 12:53:00 AM



#96
1,2,3-Trichlorobenzene
Concen: 20.161 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW011053.D
Acq: 28 Jun 2019 11:39

Tgt Ion:180	Resp:	58545
Ion Ratio	Lower	Upper
180 100		
182 93.3	47.9	143.7
145 32.2	16.1	48.2

