

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW052219\
 Data File : VW010502.D
 Acq On : 22 May 2019 11:30
 Operator : SY/VA
 Sample : VW0522SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0522SBS01

Manual Integrations
 APPROVED

MMDadoda
 5/23/2019 11:42:17 AM

Quant Time: May 23 07:10:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W052019S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 21 06:38:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	141223	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	246522	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	215430	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	98465	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	73438	50.38	ug/l	0.00
Spiked Amount			Recovery	=	100.76%	
35) Dibromofluoromethane	7.88	113	77771	51.99	ug/l	0.00
Spiked Amount			Recovery	=	103.98%	
50) Toluene-d8	10.32	98	310949	54.41	ug/l	0.00
Spiked Amount			Recovery	=	108.82%	
62) 4-Bromofluorobenzene	12.62	95	114897	50.48	ug/l	0.00
Spiked Amount			Recovery	=	100.96%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	22930	18.047	ug/l	99
3) Chloromethane	2.21	50	27682	18.656	ug/l	98
4) Vinyl Chloride	2.36	62	29804	17.341	ug/l	97
5) Bromomethane	2.76	94	27014	22.847	ug/l	95
6) Chloroethane	2.91	64	20769	18.824	ug/l	99
7) Trichlorofluoromethane	3.26	101	53576	21.114	ug/l	98
8) Diethyl Ether	3.68	74	14894	18.517	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.06	101	33399	21.373	ug/l	99
10) Methyl Iodide	4.27	142	30007	16.800	ug/l	98
11) Tert butyl alcohol	5.19	59	8665	66.087	ug/l	99
12) 1,1-Dichloroethene	4.03	96	31697	21.249	ug/l	99
13) Acrolein	3.90	56	8072	91.510	ug/l	99
14) Allyl chloride	4.67	41	43742	20.258	ug/l	98
15) Acrylonitrile	5.37	53	27489	81.603	ug/l	98
16) Acetone	4.14	43	22440	75.418	ug/l	100
17) Carbon Disulfide	4.37	76	87249	19.610	ug/l	99
18) Methyl Acetate	4.67	43	12562	17.263	ug/l	98
19) Methyl tert-butyl Ether	5.43	73	70405	18.514	ug/l	97
20) Methylene Chloride	4.91	84	32114	14.827	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	35971	21.023	ug/l	98
22) Diisopropyl ether	6.31	45	87305	19.719	ug/l	98
23) Vinyl Acetate	6.26	43	240968	91.115	ug/l	100
24) 1,1-Dichloroethane	6.21	63	56285	21.303	ug/l	99
25) 2-Butanone	7.17	43	33656	79.040	ug/l	96
26) 2,2-Dichloropropane	7.17	77	55068	21.881	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	39519	21.245	ug/l	100
28) Bromochloromethane	7.51	49	19861	20.996	ug/l	96
29) Tetrahydrofuran	7.53	42	21927	76.100	ug/l	99
30) Chloroform	7.67	83	60547	21.246	ug/l	95
31) Cyclohexane	7.95	56	55791	20.159	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	57881	21.250	ug/l	97
36) 1,1-Dichloropropene	8.08	75	48759	21.232	ug/l	100
37) Ethyl Acetate	7.25	43	15274	15.640	ug/l	99
38) Carbon Tetrachloride	8.07	117	53940	21.774	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	64747	21.044	ug/l	98
40) Benzene	8.32	78	134546	21.079	ug/l	99
41) Methacrylonitrile	7.48	41	10308	17.765	ug/l	91
42) 1,2-Dichloroethane	8.40	62	36241	19.866	ug/l	99
43) Isopropyl Acetate	8.42	43	31936	16.369	ug/l	97
44) Trichloroethene	9.09	130	39819	21.013	ug/l	99
45) 1,2-Dichloropropane	9.37	63	31402	20.715	ug/l	97
46) Dibromomethane	9.46	93	17105	19.294	ug/l	99
47) Bromodichloromethane	9.65	83	44763	20.092	ug/l	99
48) Methyl methacrylate	9.43	41	14482	16.225	ug/l	96
49) 1,4-Dioxane	9.46	88	3606	248.993	ug/l	89
51) 4-Methyl-2-Pentanone	10.21	43	77906	78.804	ug/l	100
52) Toluene	10.39	92	91540	21.355	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	43267	19.176	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	51984	20.173	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	24401	19.140	ug/l	97
56) Ethyl methacrylate	10.65	69	29778	16.936	ug/l	99
57) 1,3-Dichloropropane	10.93	76	40865	19.136	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	74198	95.274	ug/l	98
59) 2-Hexanone	10.97	43	55027	78.028	ug/l	99
60) Dibromochloromethane	11.13	129	30584	18.955	ug/l	98
61) 1,2-Dibromoethane	11.24	107	24076	18.643	ug/l	99
64) Tetrachloroethene	10.86	164	31846	21.206	ug/l	98
65) Chlorobenzene	11.66	112	98430	21.438	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	35030	21.299	ug/l	99
67) Ethyl Benzene	11.73	91	175903	21.700	ug/l	99
68) m/p-Xylenes	11.84	106	136365	42.889	ug/l	99
69) o-Xylene	12.16	106	65016	21.583	ug/l	97
70) Styrene	12.18	104	108658	21.259	ug/l	99
71) Bromoform	12.35	173	16190	17.875	ug/l #	99
73) Isopropylbenzene	12.46	105	177789	22.754	ug/l	100
74) N-amyl acetate	12.27	43	29986	16.747	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	25745	18.115	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	17802m	17.811	ug/l	
77) Bromobenzene	12.75	156	38678	22.120	ug/l	98
78) n-propylbenzene	12.80	91	202337	22.221	ug/l	100
79) 2-Chlorotoluene	12.90	91	116554	22.072	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	147431	22.279	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	8534	17.820	ug/l	96
82) 4-Chlorotoluene	12.99	91	121922	22.244	ug/l	99
83) tert-Butylbenzene	13.21	119	129115	22.336	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	145677	22.103	ug/l	100
85) sec-Butylbenzene	13.38	105	181126	22.390	ug/l	99
86) p-Isopropyltoluene	13.50	119	163662	22.352	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	74520	21.723	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	73922	21.477	ug/l	98
89) n-Butylbenzene	13.83	91	152620	21.914	ug/l	99
90) Hexachloroethane	14.10	117	31527	22.245	ug/l	96
91) 1,2-Dichlorobenzene	13.87	146	66137	21.159	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	4282	16.204	ug/l	98

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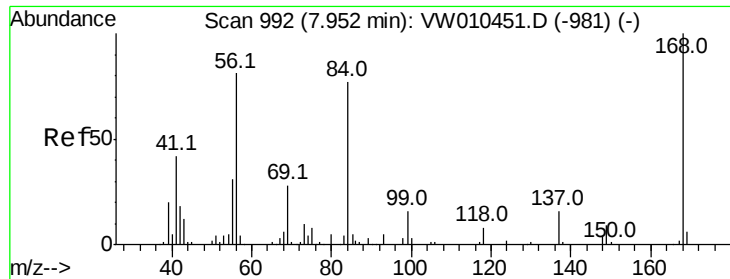
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	42842	20.145	ug/l	99
94) Hexachlorobutadiene	15.24	225	24037	21.157	ug/l	97
95) Naphthalene	15.37	128	77444	17.348	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	35801	19.564	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW010502.D

Acq: 22 May 2019 11:30

Instrument :

MSVOA_W

ClientSampleId :

VW0522SBS01

Tot Ion:168 Resp: 141223

Ion Ratio Lower Upper

168 100

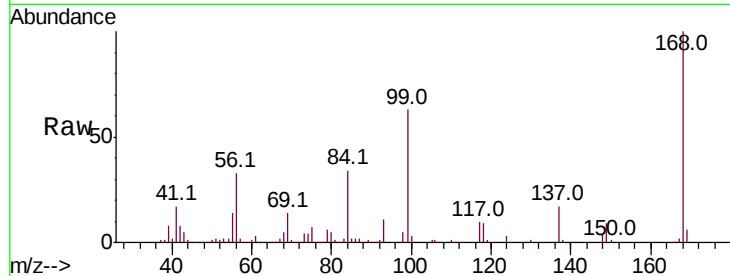
99 63.3 46.1 69.1

Manual Integrations

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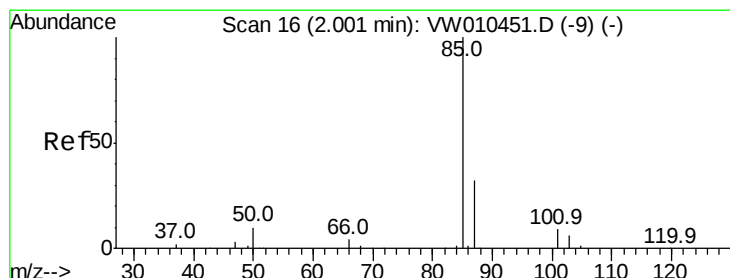
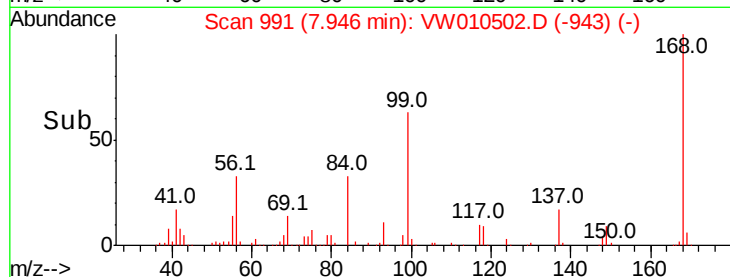
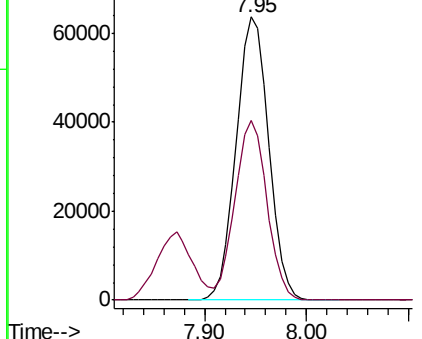
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 18.047 ug/l

RT: 2.00 min Scan# 15

Delta R.T. -0.01 min

Lab File: VW010502.D

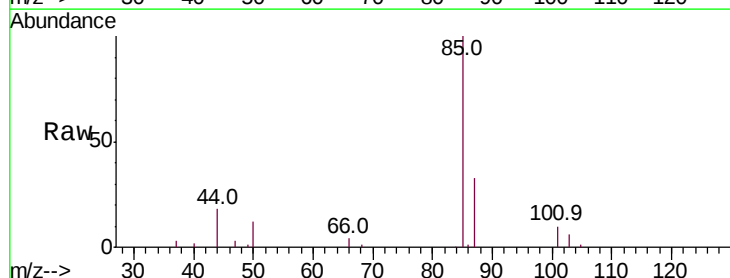
Acq: 22 May 2019 11:30

Tgt Ion: 85 Resp: 22930

Ion Ratio Lower Upper

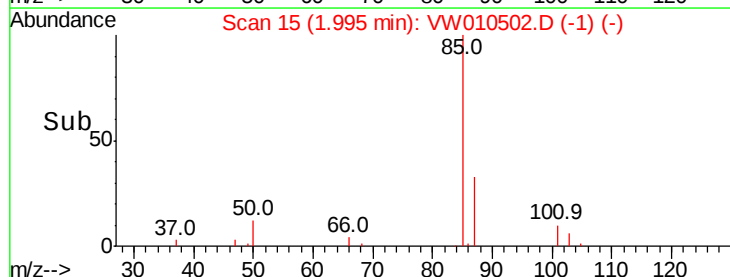
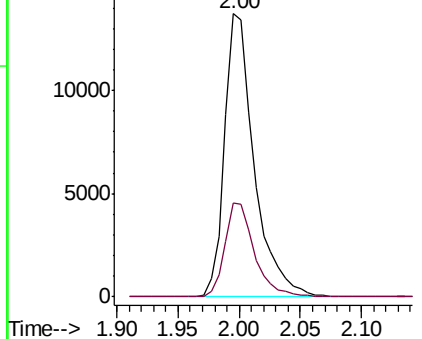
85 100

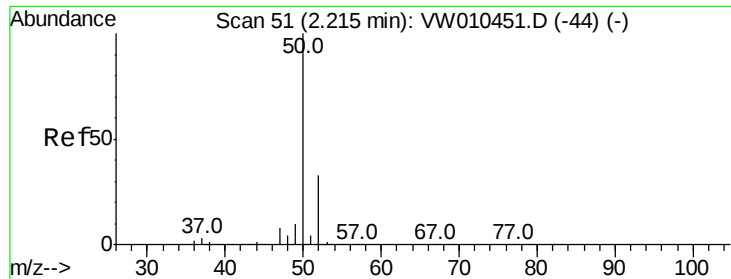
87 33.0 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 18.656 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW010502.D

Acq: 22 May 2019 11:30

Instrument :

MSVOA_W

ClientSampleId :

VW0522SBS01

Tot Ion: 50 Resp: 27682

Ion Ratio Lower Upper

50 100

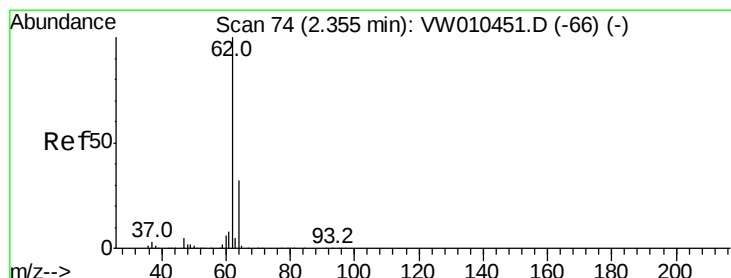
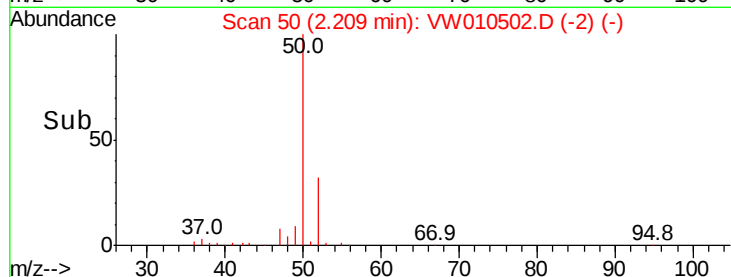
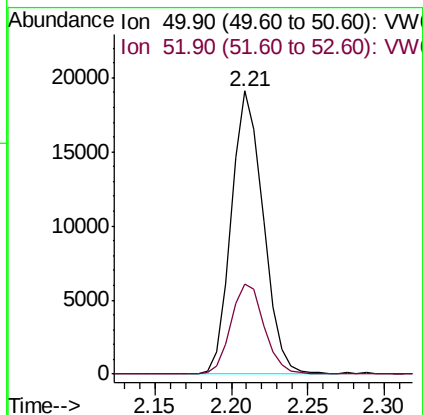
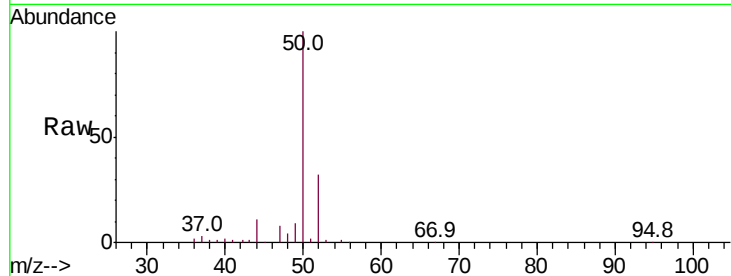
52 31.9 26.3 39.5

Manual Integrations

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#4

Vinyl Chloride

Concen: 17.341 ug/l

RT: 2.36 min Scan# 74

Delta R.T. 0.00 min

Lab File: VW010502.D

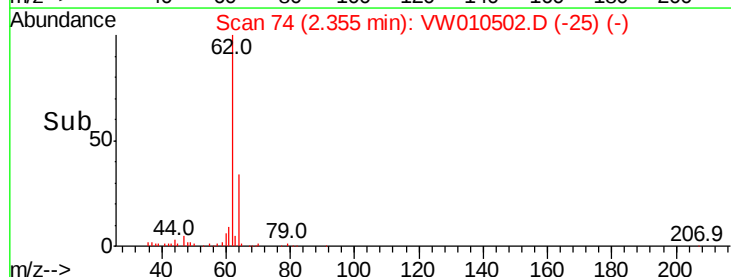
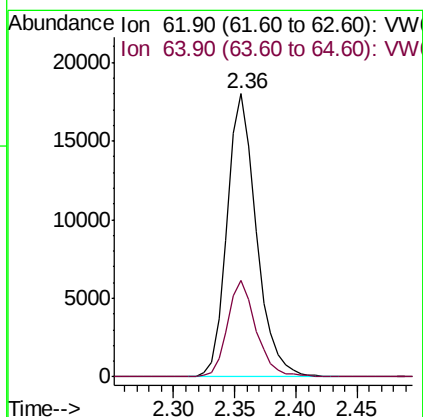
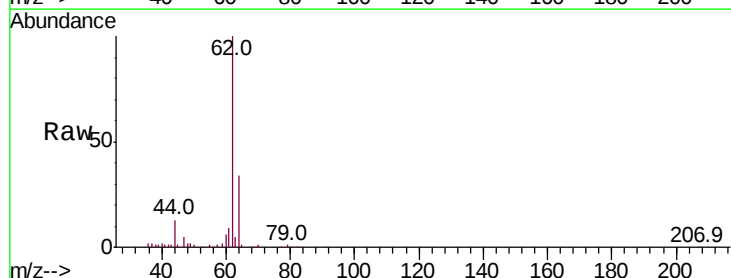
Acq: 22 May 2019 11:30

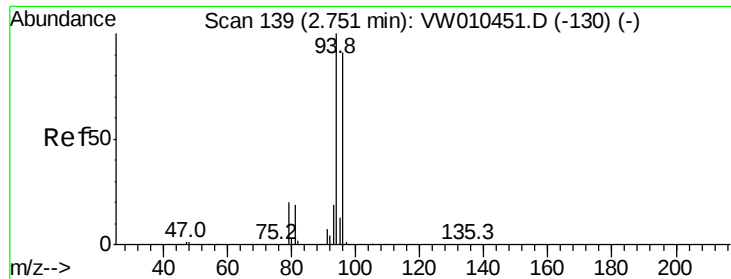
Tgt Ion: 62 Resp: 29804

Ion Ratio Lower Upper

62 100

64 33.9 25.8 38.8





#5

Bromomethane

Concen: 22.847 ug/l

RT: 2.76 min Scan# 141

Delta R.T. 0.01 min

Lab File: VW010502.D

Acq: 22 May 2019 11:30

Instrument :

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ClientSampleId :

VW0522SBS01

Tot Ion: 94 Resp: 27014

Ion Ratio Lower Upper

94 100

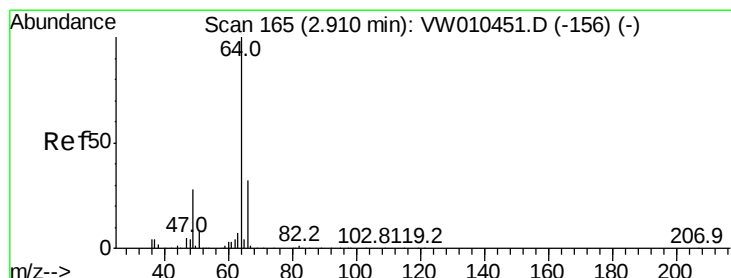
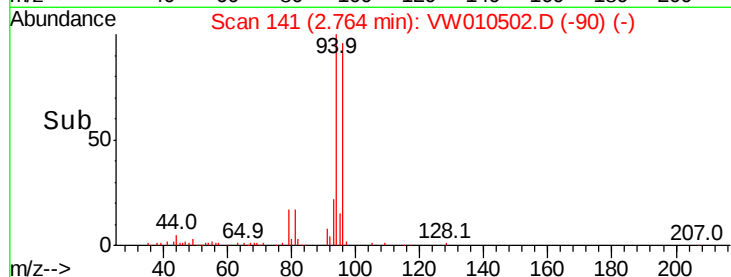
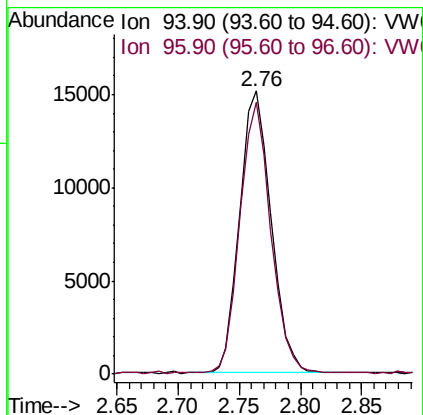
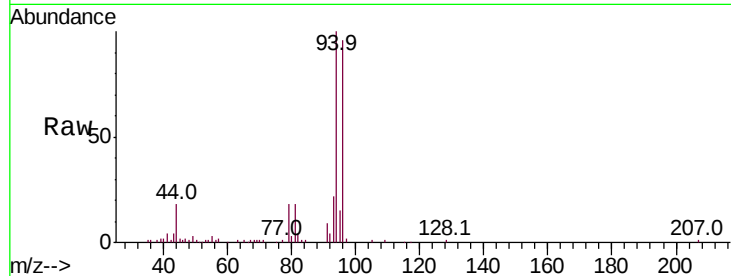
96 96.0 72.9 109.3

Manual Integrations

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#6

Chloroethane

Concen: 18.824 ug/l

RT: 2.91 min Scan# 165

Delta R.T. 0.00 min

Lab File: VW010502.D

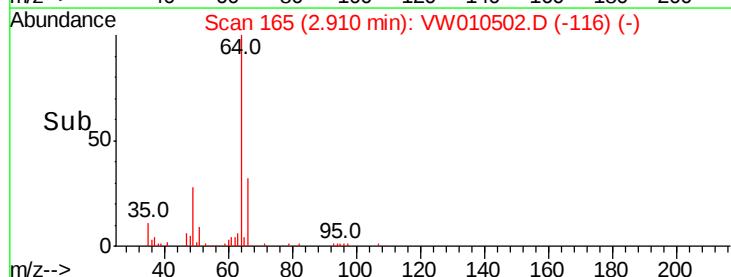
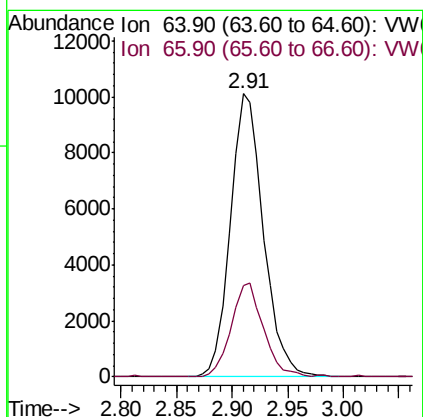
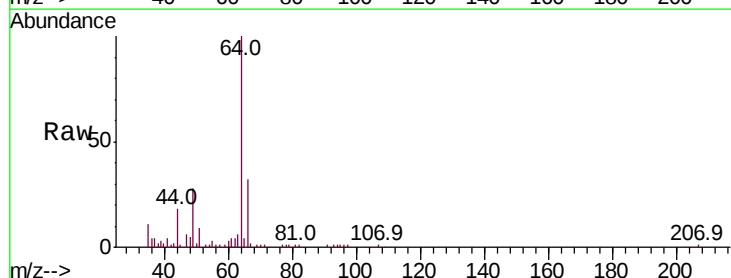
Acq: 22 May 2019 11:30

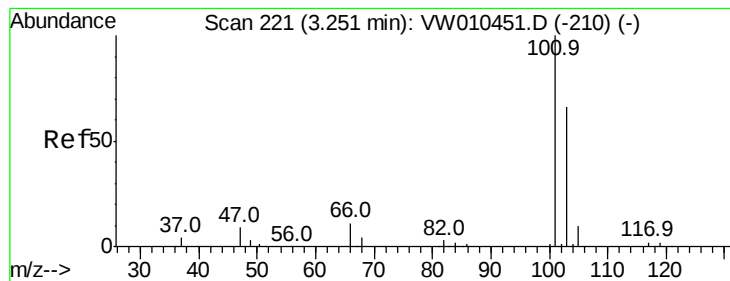
Tgt Ion: 64 Resp: 20769

Ion Ratio Lower Upper

64 100

66 32.3 25.5 38.3





#7

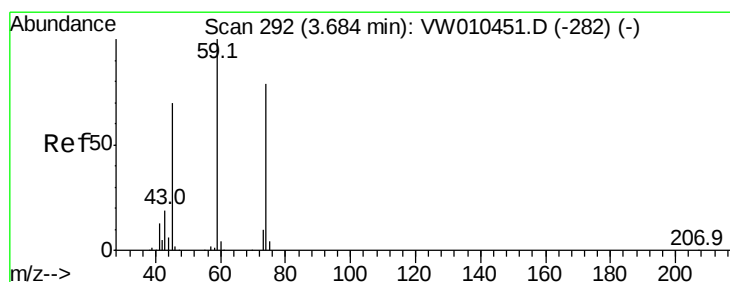
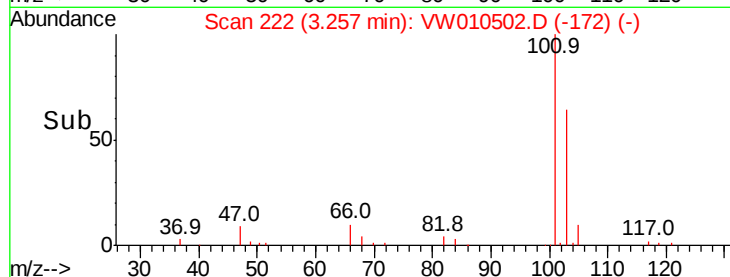
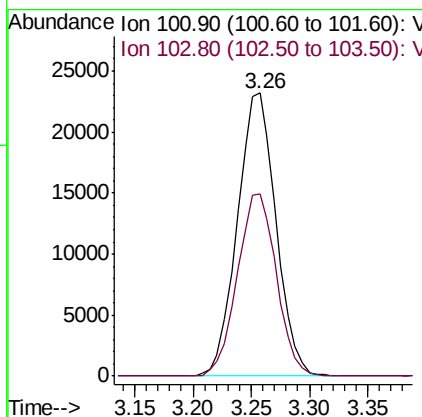
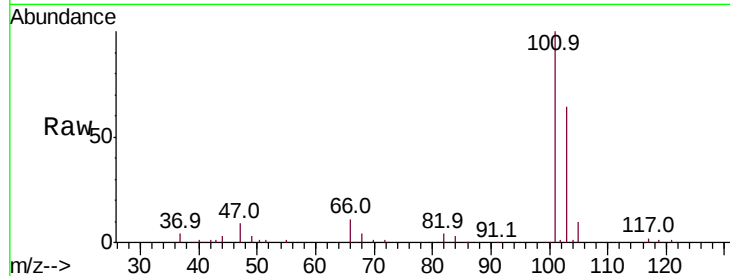
Trichlorofluoromethane
 Concen: 21.114 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. 0.01 min
 Lab File: VW010502.D
 Acq: 22 May 2019 11:30

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Tot Ion:101 Resp: 53576
 Ion Ratio Lower Upper
 101 100
 103 64.5 53.0 79.4

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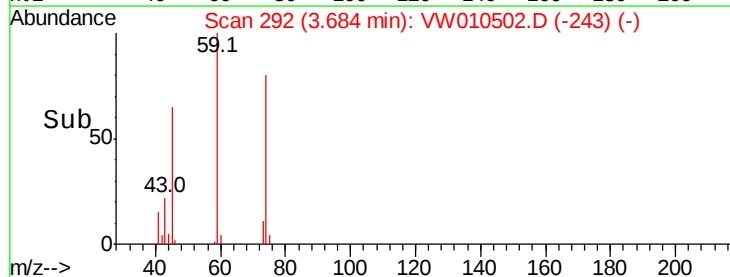
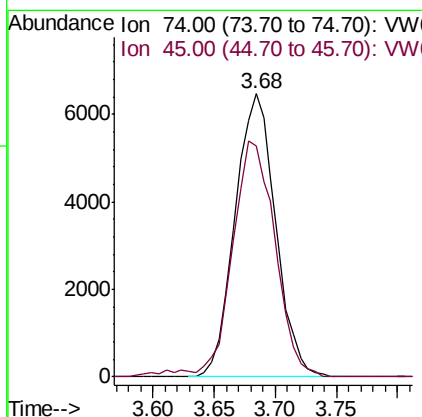
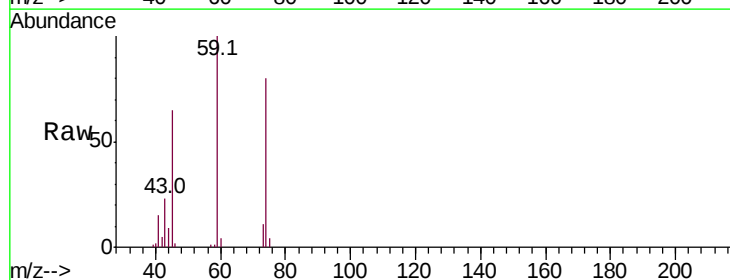
MMDadoda
 5/23/2019 11:42:17 AM

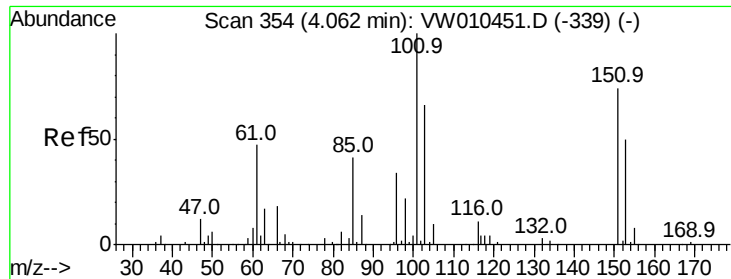


#8

Diethyl Ether
 Concen: 18.517 ug/l
 RT: 3.68 min Scan# 292
 Delta R.T. 0.00 min
 Lab File: VW010502.D
 Acq: 22 May 2019 11:30

Tgt Ion: 74 Resp: 14894
 Ion Ratio Lower Upper
 74 100
 45 88.4 42.9 128.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.373 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW010502.D

Acq: 22 May 2019 11:30

Instrument :

MSVOA_W

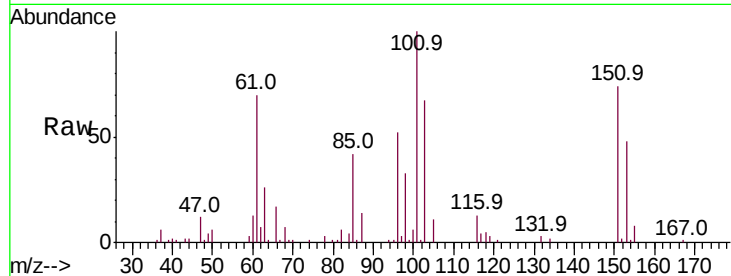
ClientSampleId :

VW0522SBS01

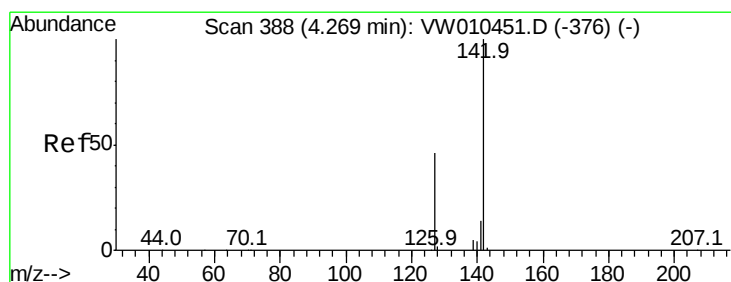
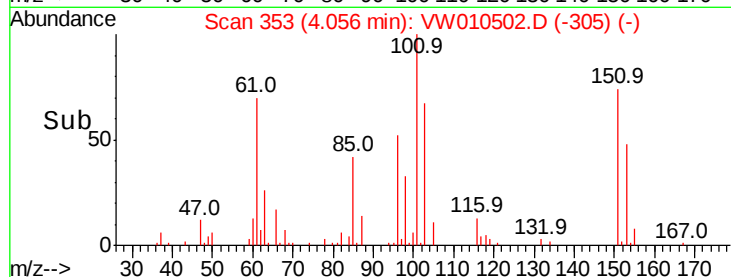
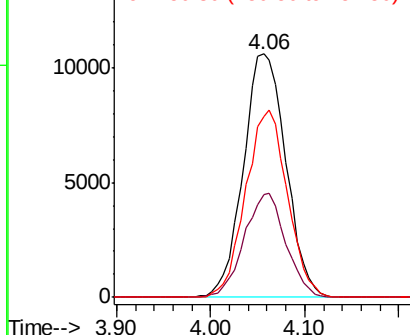
Tot Ion:	101	Resp:	33399
Ion Ratio	Lower	Upper	
101	100		
85	41.7	34.3	51.5
151	75.5	60.3	90.5

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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 16.800 ug/l

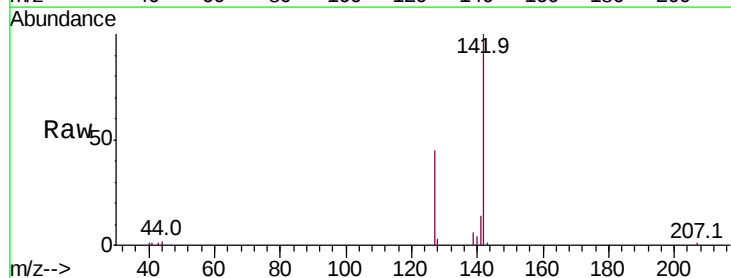
RT: 4.27 min Scan# 388

Delta R.T. 0.00 min

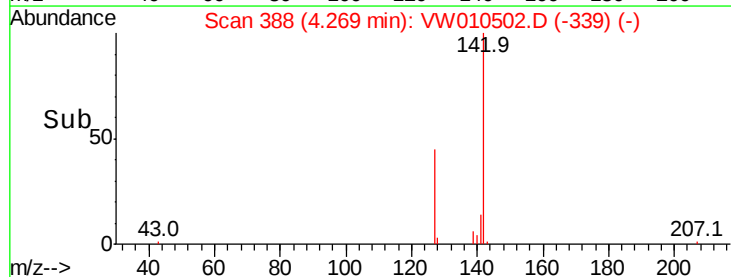
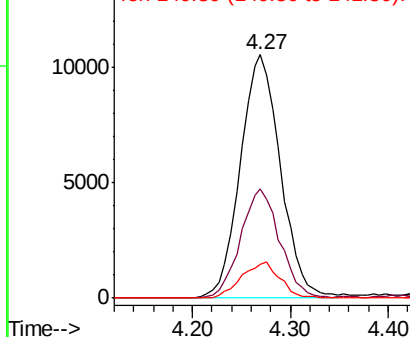
Lab File: VW010502.D

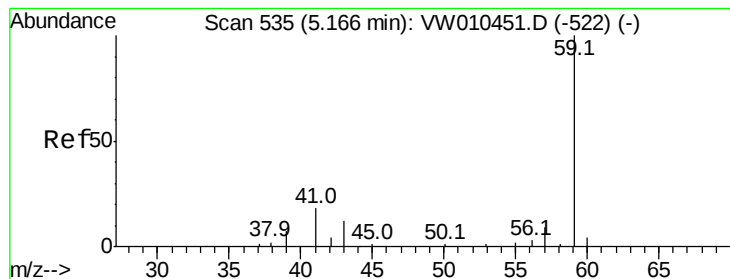
Acq: 22 May 2019 11:30

Tgt Ion:	142	Resp:	30007
Ion Ratio	Lower	Upper	
142	100		
127	43.7	36.1	54.1
141	14.0	11.3	16.9



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

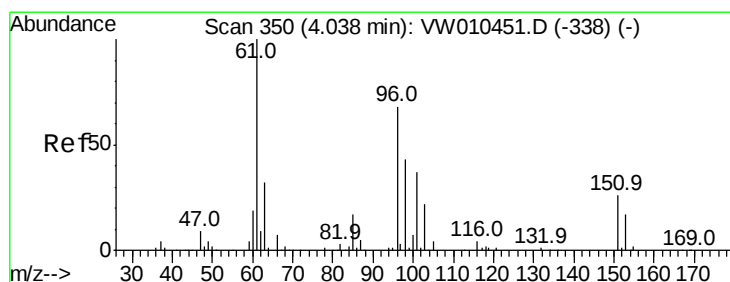
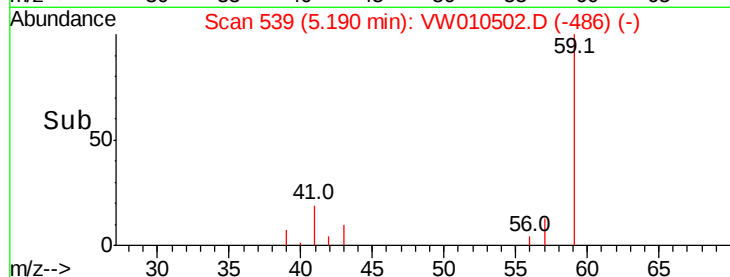
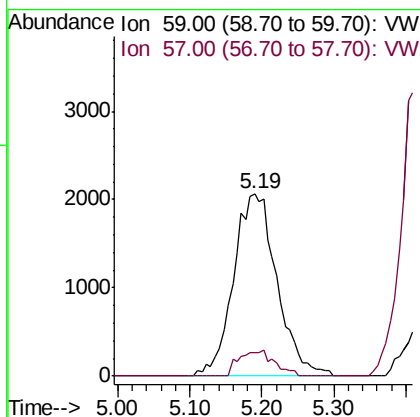
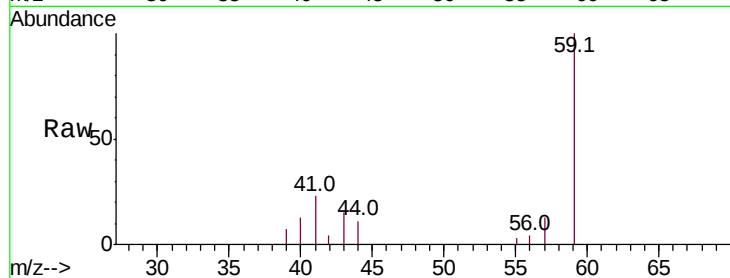
Tert butyl alcohol
 Concen: 66.087 ug/l
 RT: 5.19 min Scan# 539
 Delta R.T. 0.02 min
 Lab File: VW010502.D
 Acq: 22 May 2019 11:30

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0522SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.4	8.8	13.2

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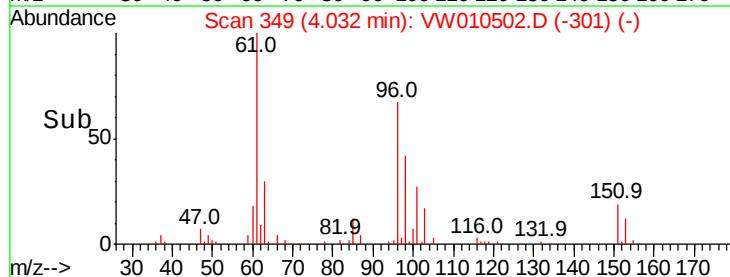
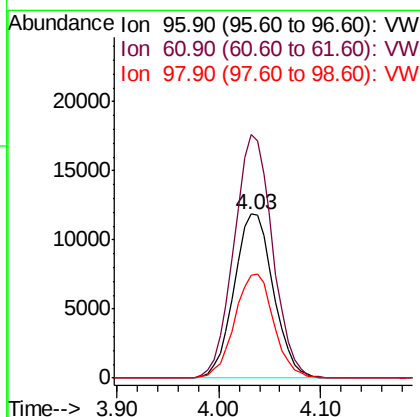
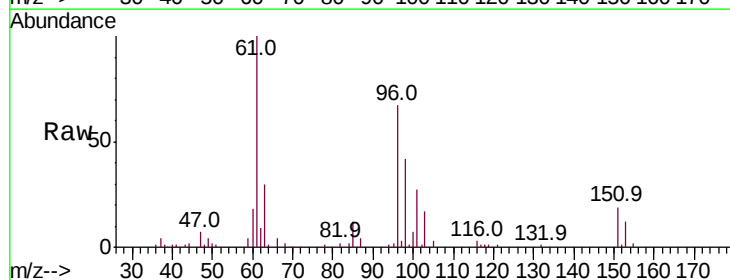
MMDadoda
 5/23/2019 11:42:17 AM

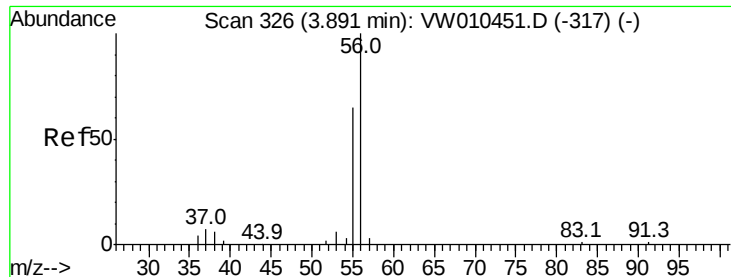


#12

1,1-Dichloroethene
 Concen: 21.249 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. -0.01 min
 Lab File: VW010502.D
 Acq: 22 May 2019 11:30

Tgt Ion	Ratio	Lower	Upper
96	100		
61	148.6	118.3	177.5
98	62.6	51.0	76.6





#13

Acrolein

Concen: 91.510 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.01 min

Lab File: VW010502.D

Acq: 22 May 2019 11:30

Instrument :

MSVOA_W

ClientSampleId :

VW0522SBS01

Tot Ion: 56 Resp: 8072

Ion Ratio Lower Upper

56 100

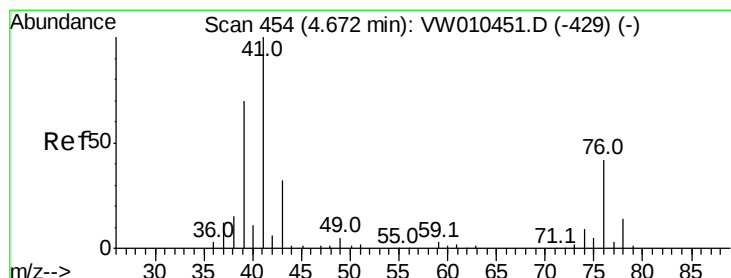
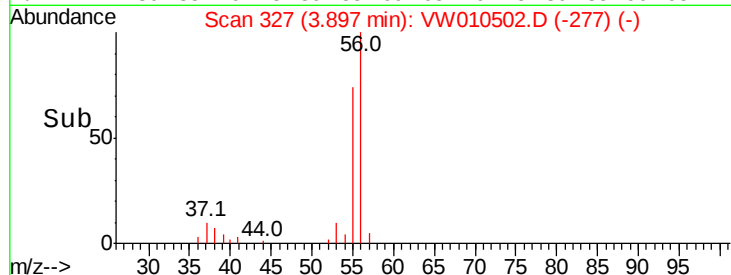
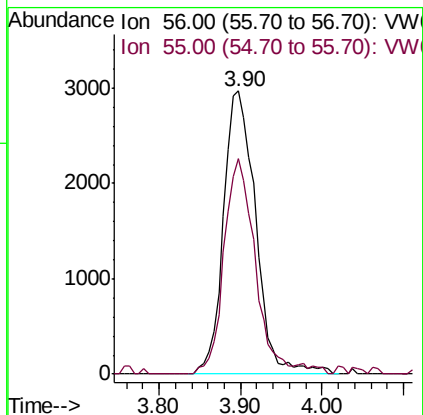
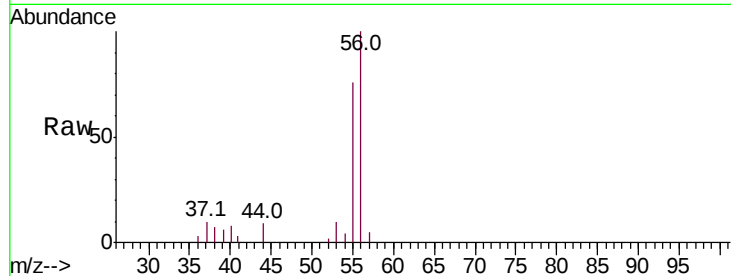
55 73.0 57.9 86.9

Manual Integrations

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#14

Allyl chloride

Concen: 20.258 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW010502.D

Acq: 22 May 2019 11:30

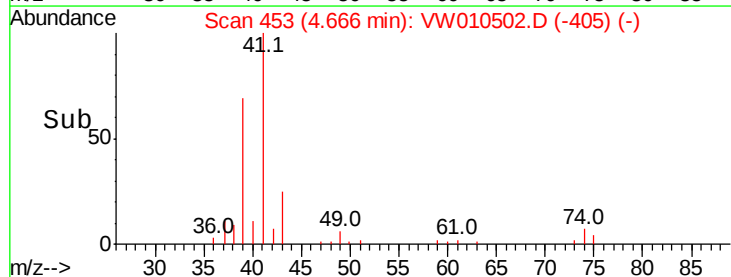
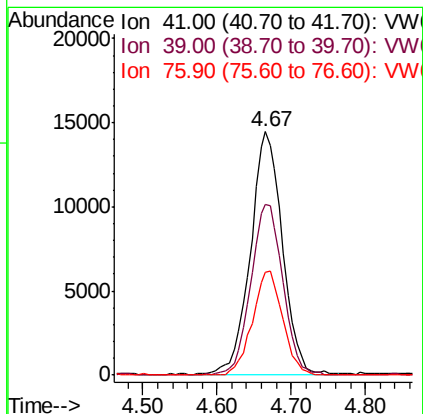
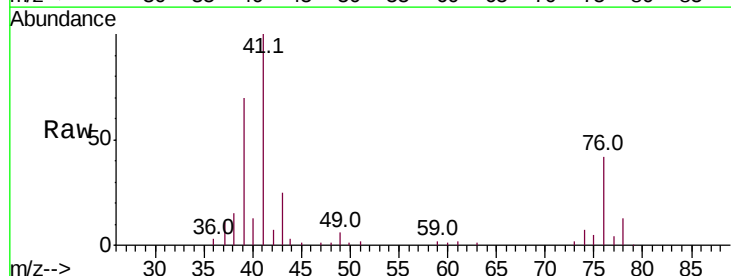
Tgt Ion: 41 Resp: 43742

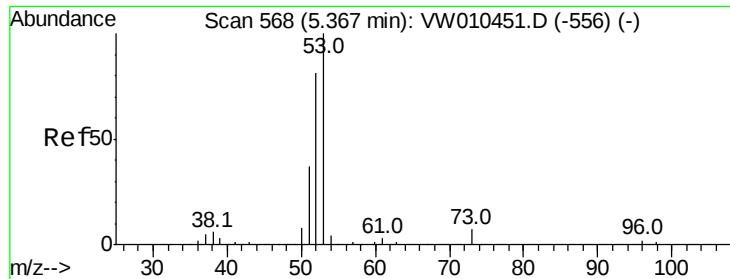
Ion Ratio Lower Upper

41 100

39 70.1 55.0 82.4

76 40.3 32.8 49.2





#15

Acrylonitrile

Concen: 81.603 ug/l

RT: 5.37 min Scan# 569

Delta R.T. 0.01 min

Lab File: VW010502.D

Acq: 22 May 2019 11:30

Instrument :

MSVOA_W

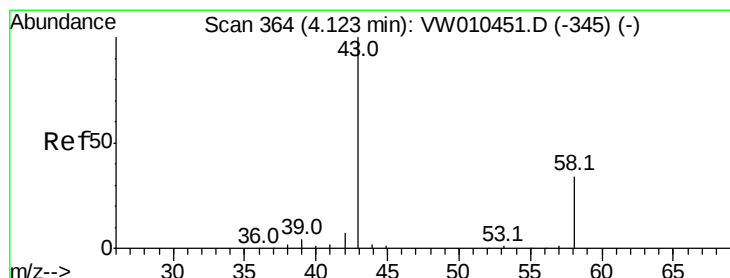
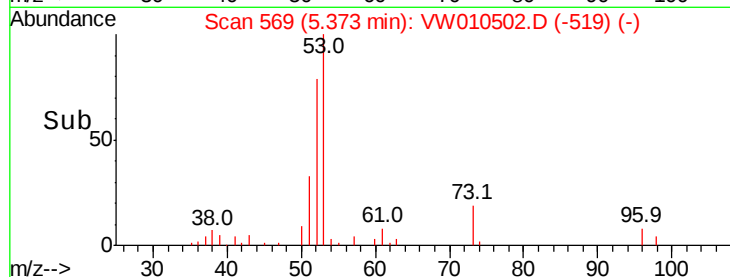
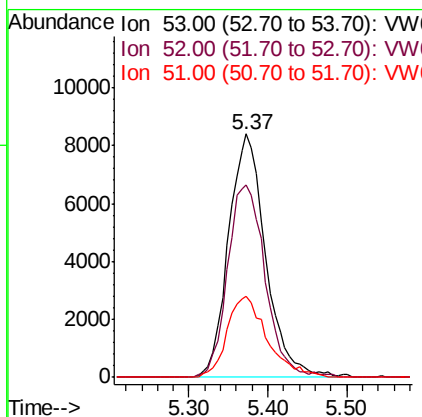
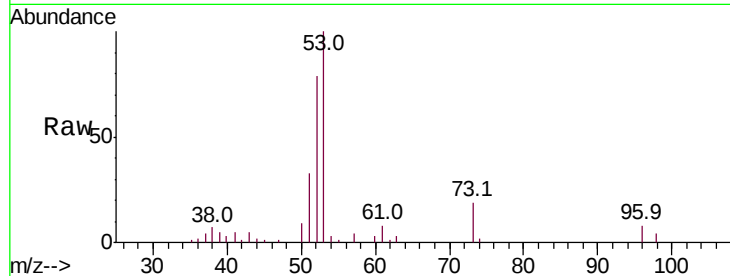
ClientSampleId :

VW0522SBS01

Tot Ion:	53	Resp:	27489
Ion	Ratio	Lower	Upper
53	100		
52	80.2	65.6	98.4
51	36.0	29.5	44.3

Manual Integrations
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#16

Acetone

Concen: 75.418 ug/l

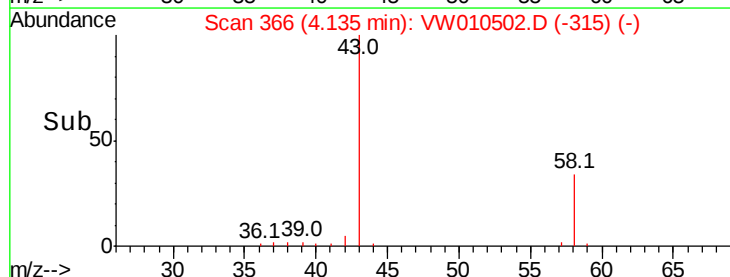
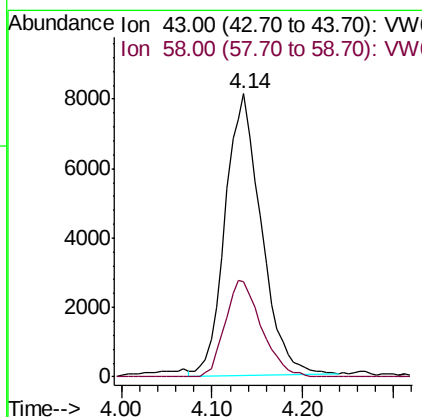
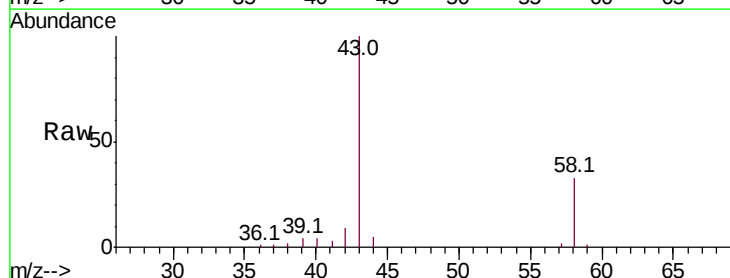
RT: 4.14 min Scan# 366

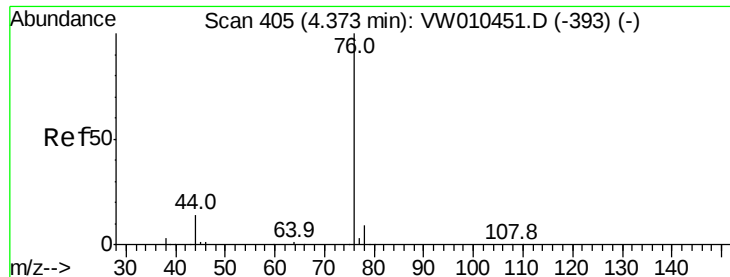
Delta R.T. 0.01 min

Lab File: VW010502.D

Acq: 22 May 2019 11:30

Tgt Ion:	43	Resp:	22440
Ion	Ratio	Lower	Upper
43	100		
58	33.8	27.0	40.4





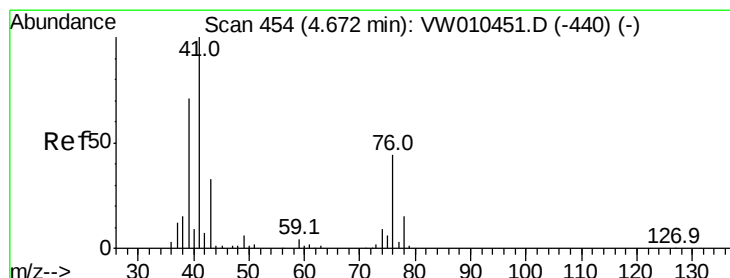
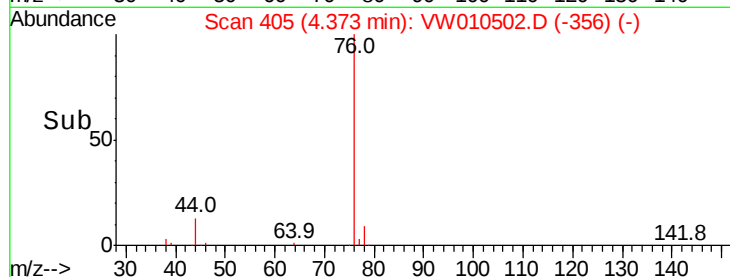
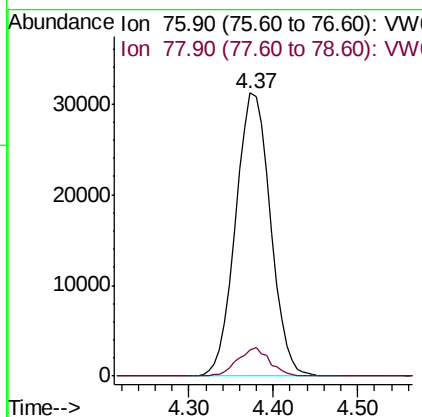
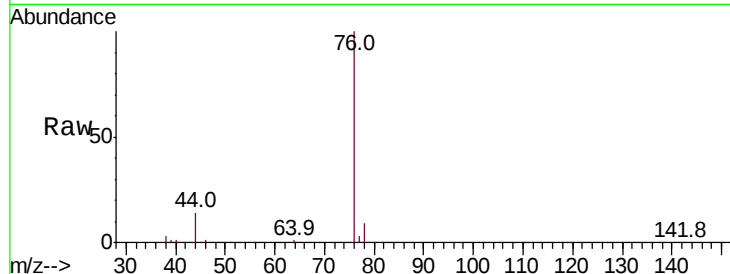
#17
Carbon Disulfide
Concen: 19.610 ug/l
RT: 4.37 min Scan# 405
Delta R.T. 0.00 min
Lab File: VW010502.D
Acq: 22 May 2019 11:30

Instrument :
MSVOA_W
ClientSampleId :
VW0522SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.1	10.7

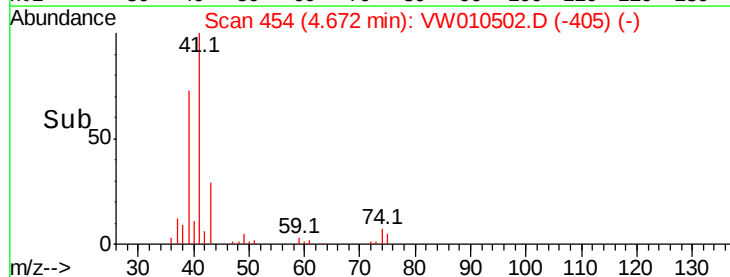
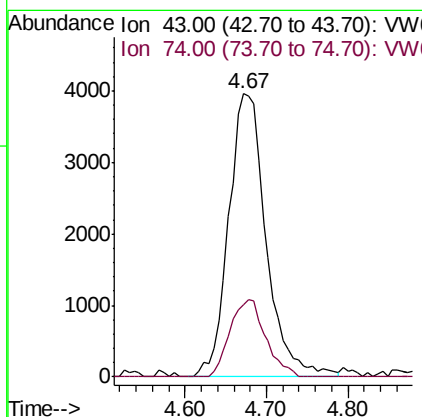
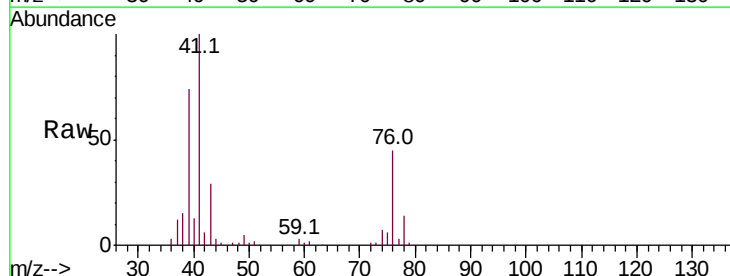
Manual Integrations
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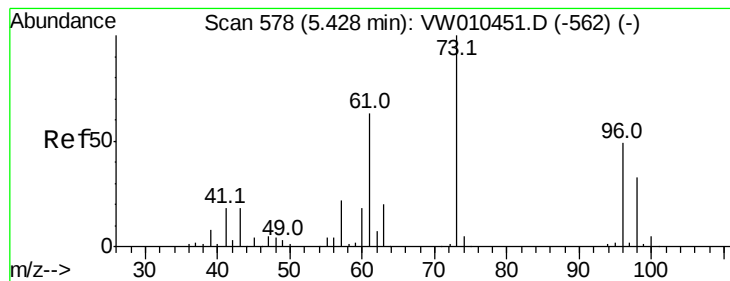
MMDadoda
5/23/2019 11:42:17 AM



#18
Methyl Acetate
Concen: 17.263 ug/l
RT: 4.67 min Scan# 454
Delta R.T. 0.00 min
Lab File: VW010502.D
Acq: 22 May 2019 11:30

Tgt Ion	Ratio	Lower	Upper
43	100		
74	26.0	21.6	32.4





#19

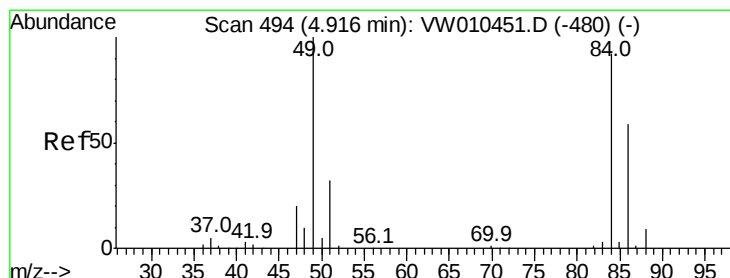
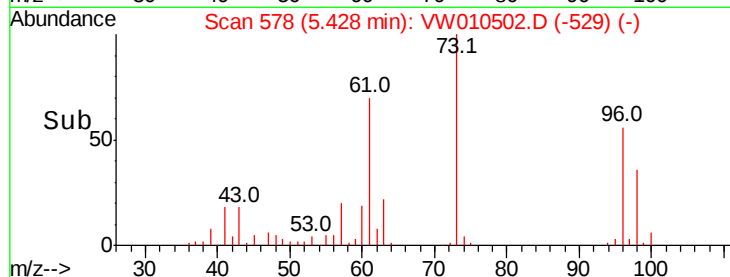
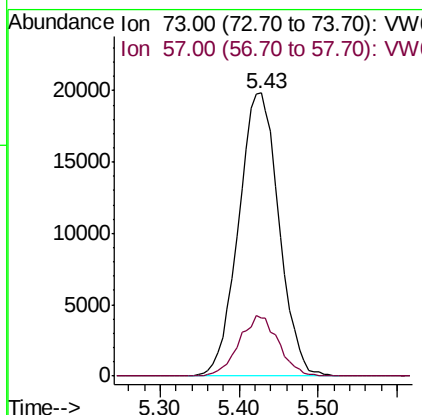
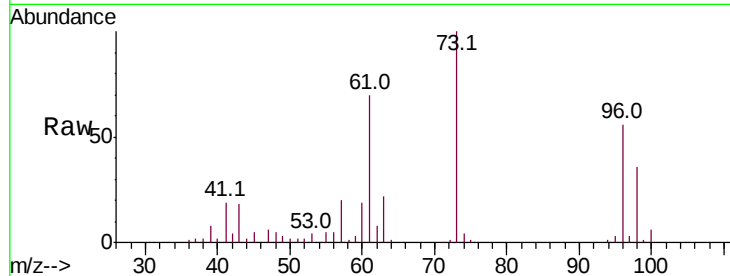
Methyl tert-butyl Ether
 Concen: 18.514 ug/l
 RT: 5.43 min Scan# 578
 Delta R.T. 0.00 min
 Lab File: VW010502.D
 Acq: 22 May 2019 11:30

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0522SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.5	17.4	26.0

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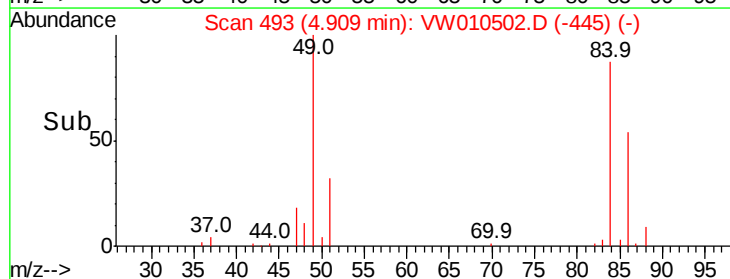
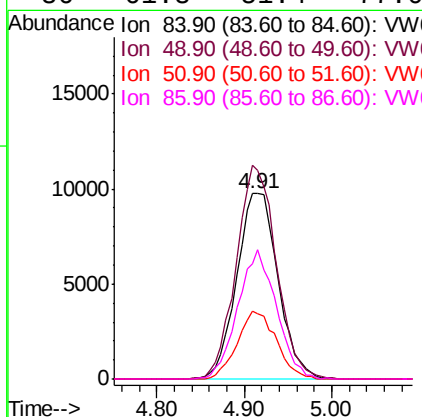
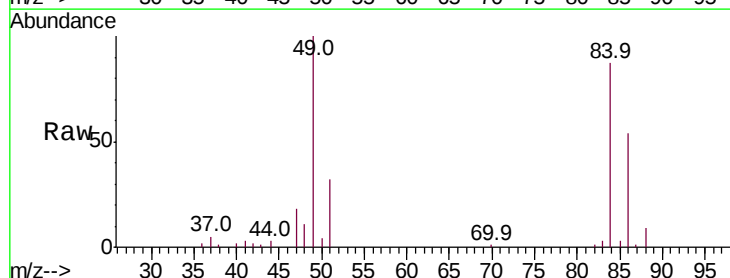
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 5/23/2019 11:42:17 AM

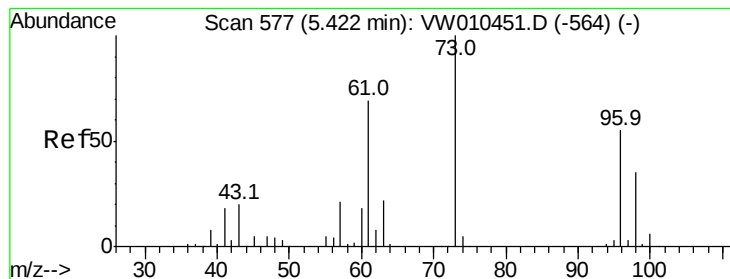


#20

Methylene Chloride
 Concen: 14.827 ug/l
 RT: 4.91 min Scan# 493
 Delta R.T. -0.01 min
 Lab File: VW010502.D
 Acq: 22 May 2019 11:30

Tgt Ion	Ratio	Lower	Upper
84	100		
49	115.1	87.2	130.8
51	36.3	27.7	41.5
86	61.8	51.4	77.0





#21

trans-1,2-Dichloroethene

Concen: 21.023 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW010502.D

Acq: 22 May 2019 11:30

Instrument :

MSVOA_W

ClientSampleId :

VW0522SBS01

Tot Ion: 96 Resp: 35971

Ion Ratio Lower Upper

96 100

61 125.3 101.4 152.0

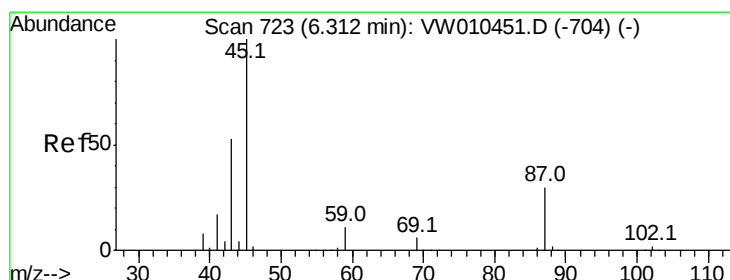
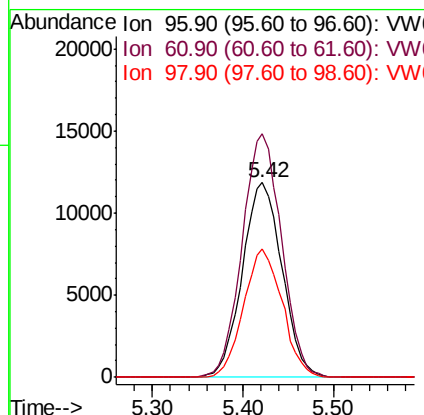
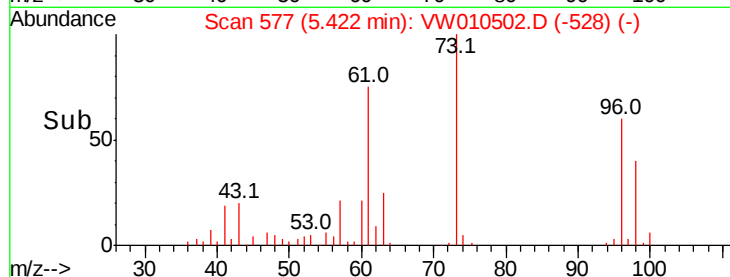
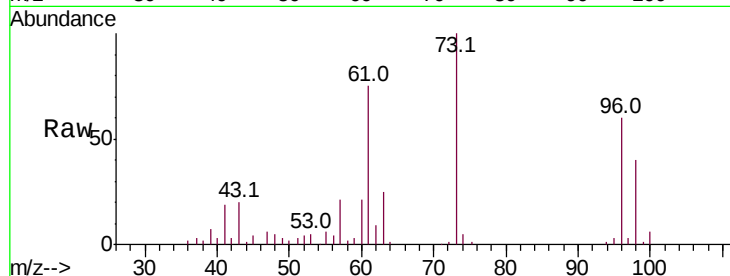
98 66.0 50.6 76.0

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#22

Diisopropyl ether

Concen: 19.719 ug/l

RT: 6.31 min Scan# 723

Delta R.T. 0.00 min

Lab File: VW010502.D

Acq: 22 May 2019 11:30

Tgt Ion: 45 Resp: 87305

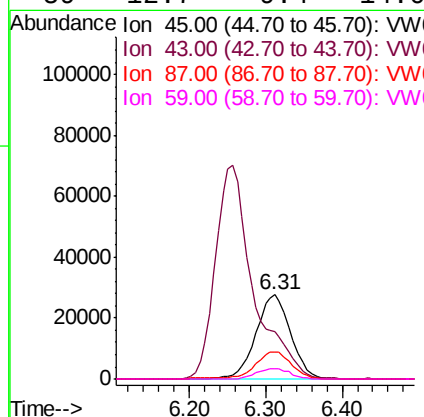
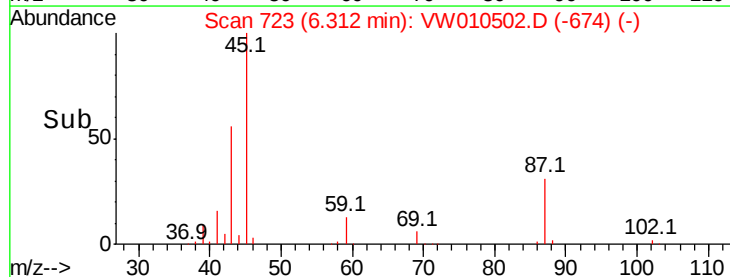
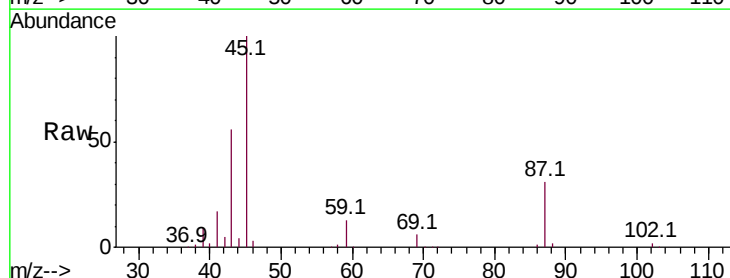
Ion Ratio Lower Upper

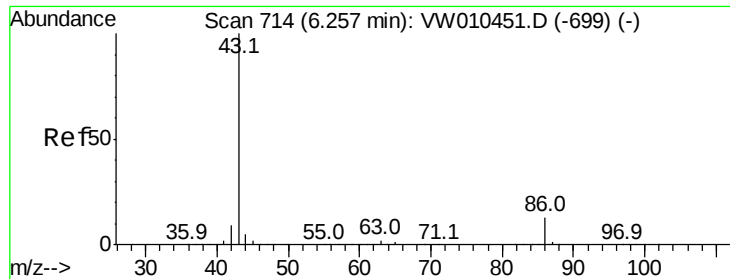
45 100

43 55.7 42.9 64.3

87 31.3 24.6 36.8

59 12.7 9.4 14.0





#23

Vinyl Acetate

Concen: 91.115 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.00 min

Lab File: VW010502.D

Acq: 22 May 2019 11:30

Instrument :

MSVOA_W

ClientSampleId :

VW0522SBS01

Tot Ion: 43 Resp: 240968

Ion Ratio Lower Upper

43 100

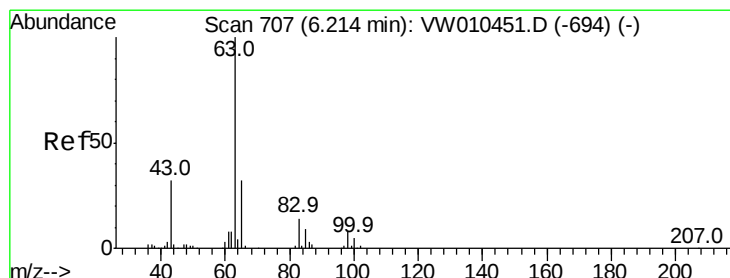
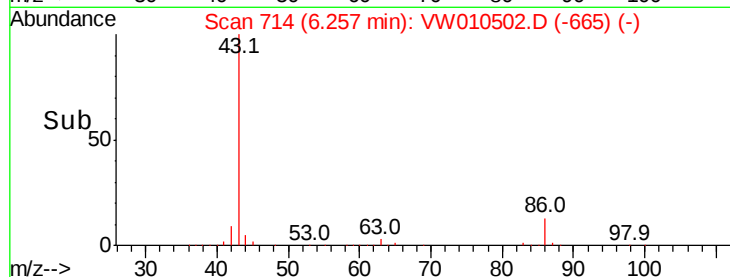
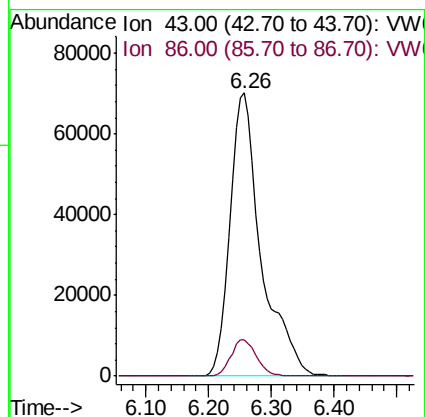
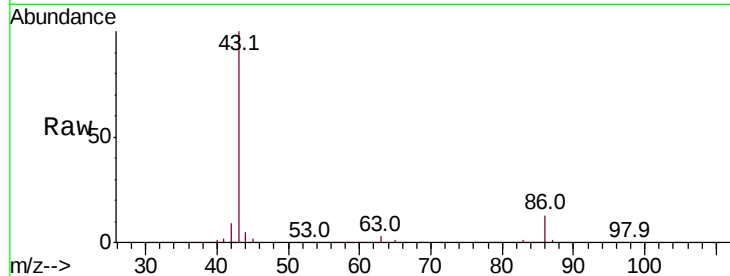
86 12.9 10.3 15.5

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 21.303 ug/l

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW010502.D

Acq: 22 May 2019 11:30

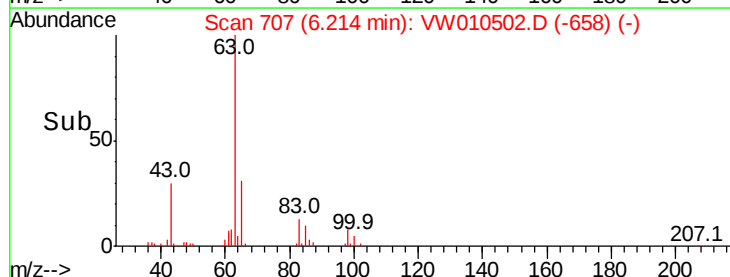
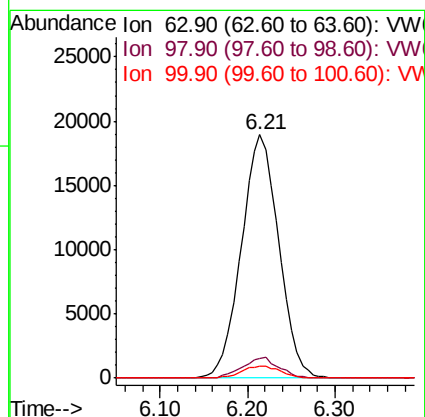
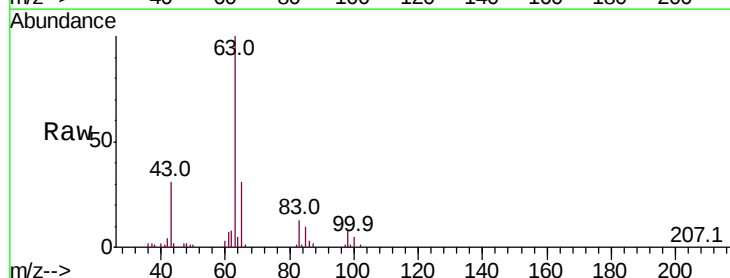
Tgt Ion: 63 Resp: 56285

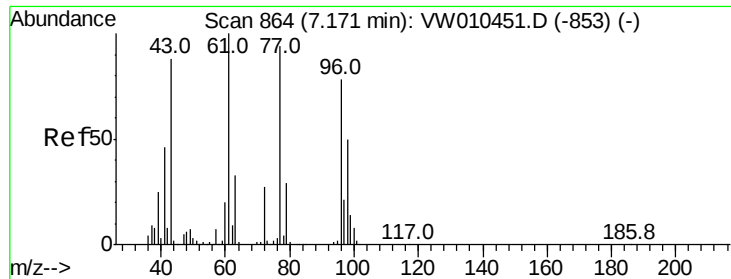
Ion Ratio Lower Upper

63 100

98 7.9 3.8 11.2

100 5.0 2.5 7.4





#25

2-Butanone

Concen: 79.040 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW010502.D

Acq: 22 May 2019 11:30

Instrument :

MSVOA_W

ClientSampled :

VW0522SBS01

Tot Ion: 43 Resp: 33656

Ion Ratio Lower Upper

43 100

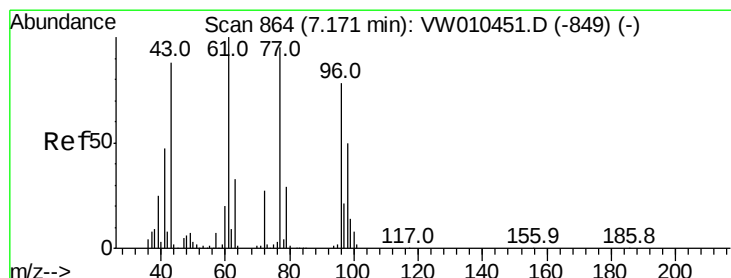
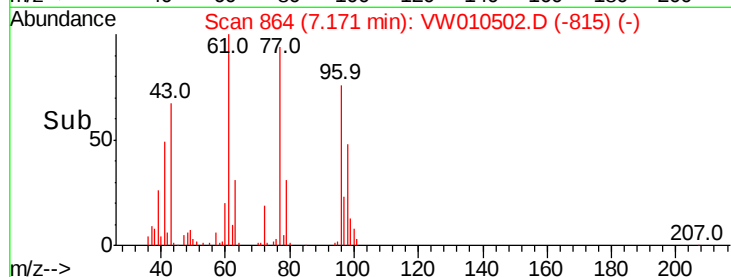
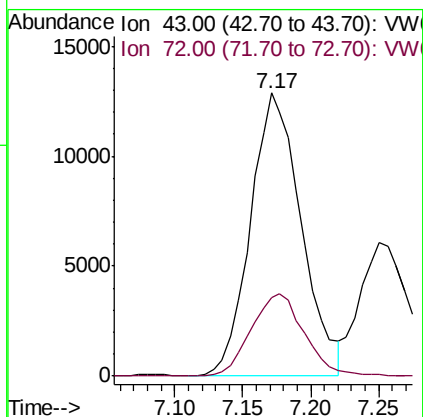
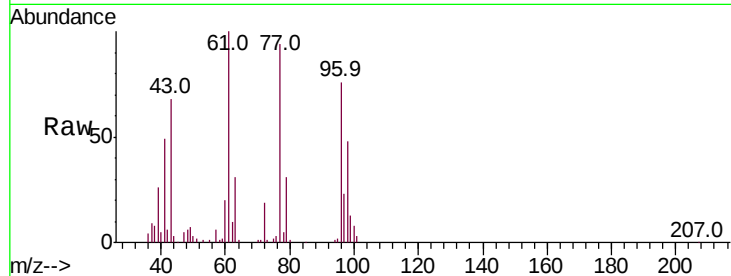
72 28.0 24.1 36.1

Manual Integrations

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5/23/2019 11:42:17 AM



#26

2,2-Dichloropropane

Concen: 21.881 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW010502.D

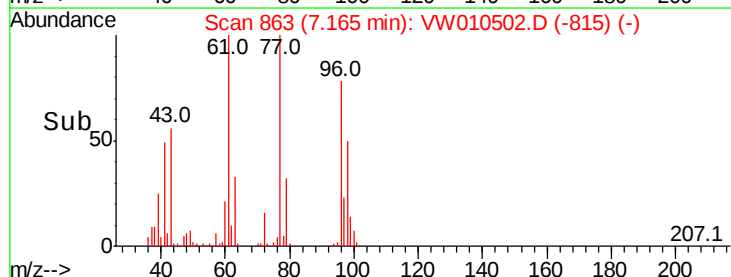
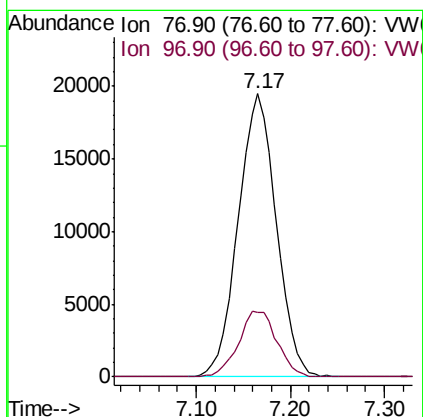
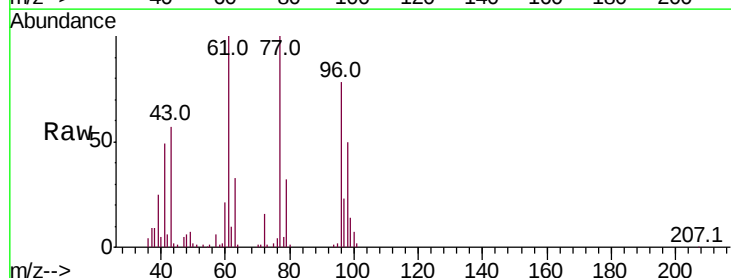
Acq: 22 May 2019 11:30

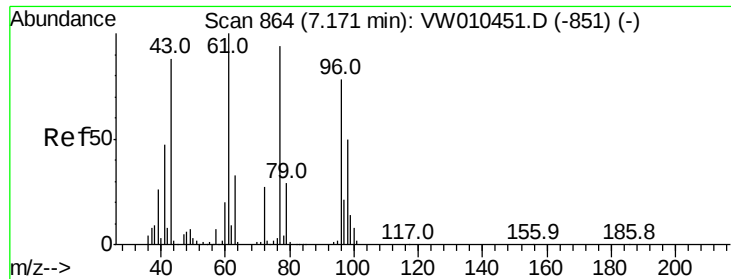
Tgt Ion: 77 Resp: 55068

Ion Ratio Lower Upper

77 100

97 23.6 11.7 35.0





#27

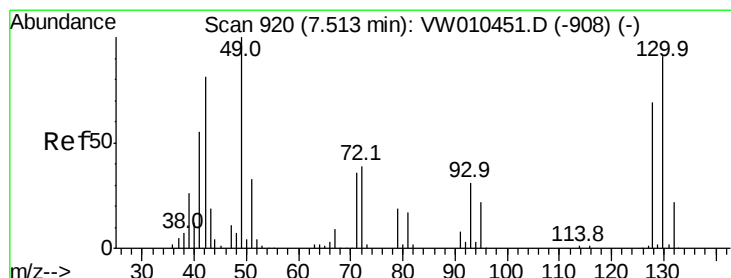
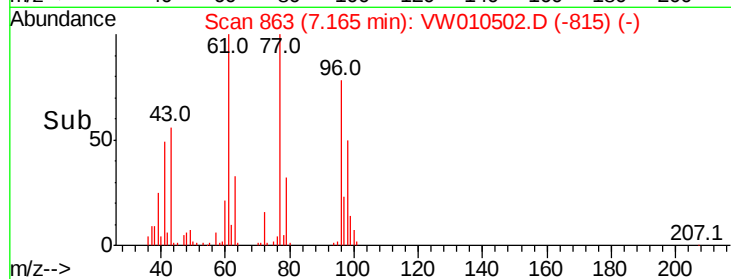
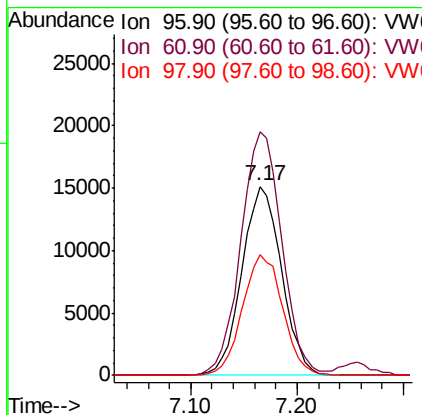
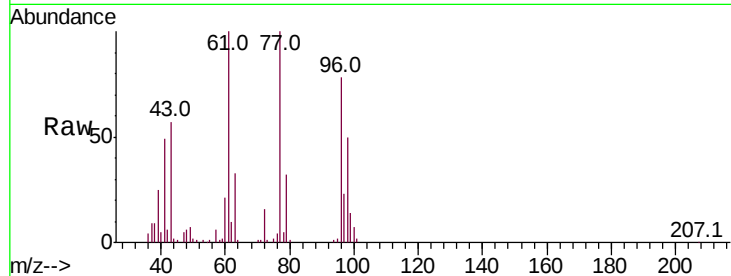
cis-1,2-Dichloroethene
Concen: 21.245 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW010502.D
Acq: 22 May 2019 11:30

Instrument :
MSVOA_W
ClientSampleId :
VW0522SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	133.4	0.0	265.4	
98	64.8	0.0	129.4	

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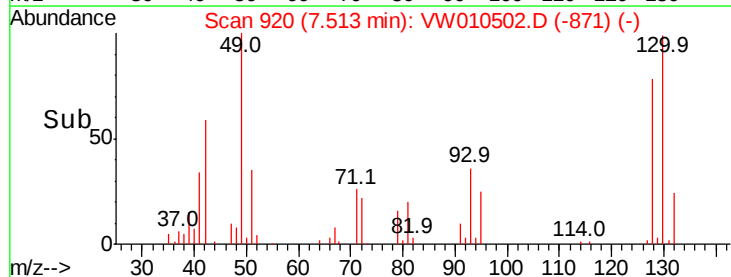
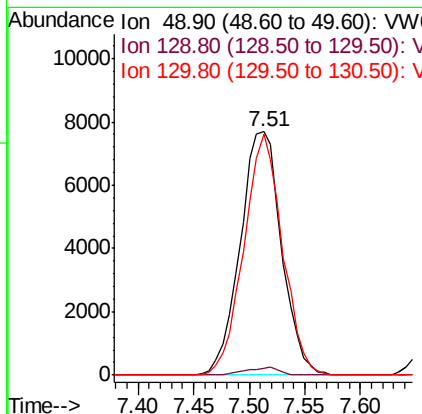
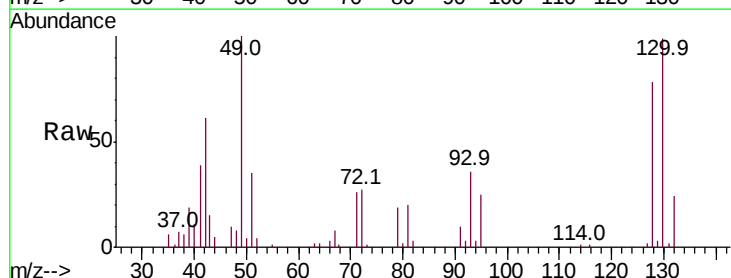
MMDadoda
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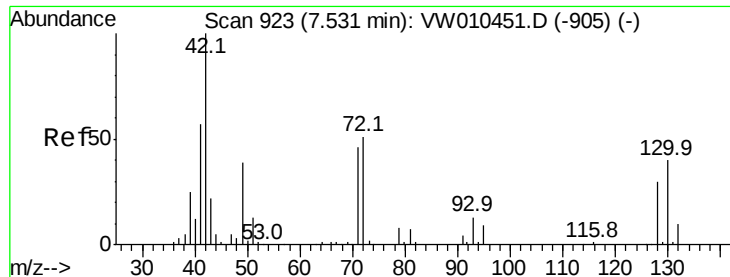


#28

Bromochloromethane
Concen: 20.996 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.00 min
Lab File: VW010502.D
Acq: 22 May 2019 11:30

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.5	0.0	4.8	
130	92.5	71.2	106.8	





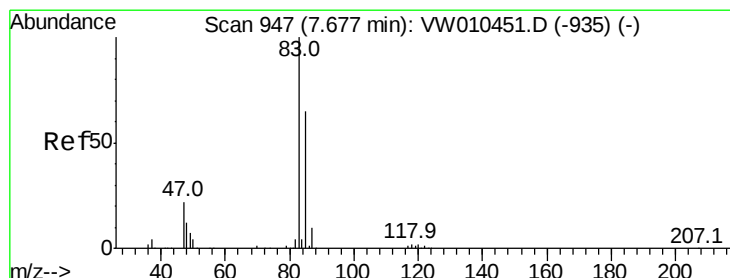
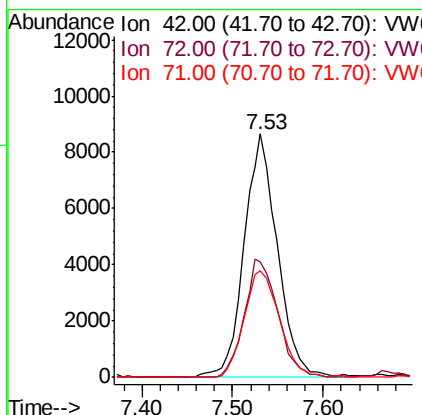
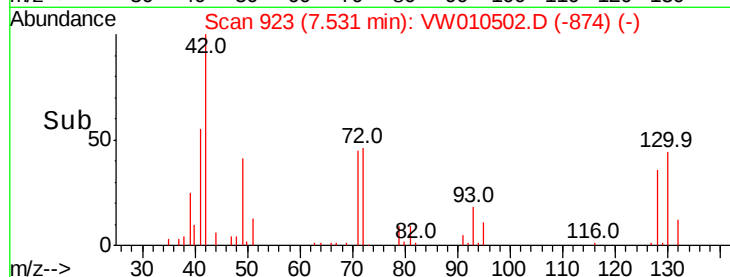
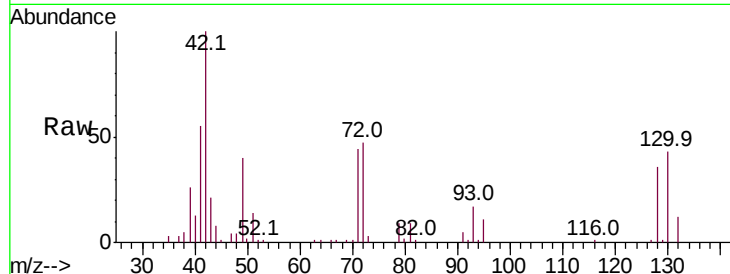
#29
Tetrahydrofuran
Concen: 76.100 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.00 min
Lab File: VW010502.D
Acq: 22 May 2019 11:30

Instrument :
MSVOA_W
ClientSampled :
VW0522SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	48.8	38.5	57.7
71	46.4	36.5	54.7

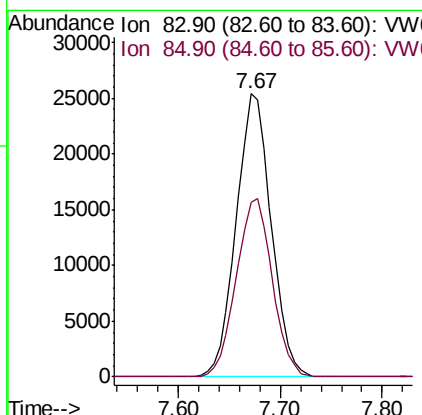
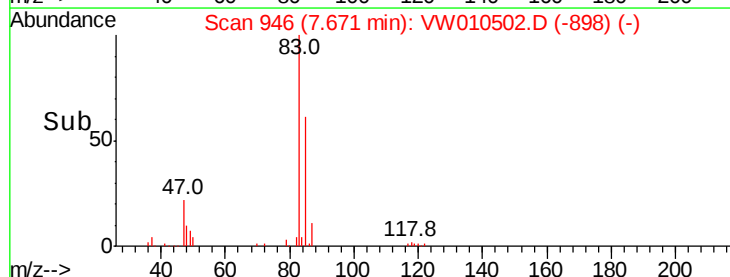
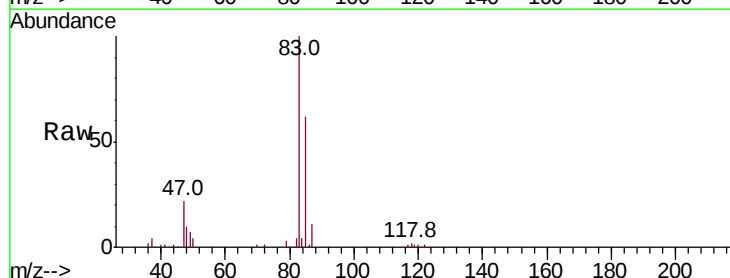
Manual Integrations
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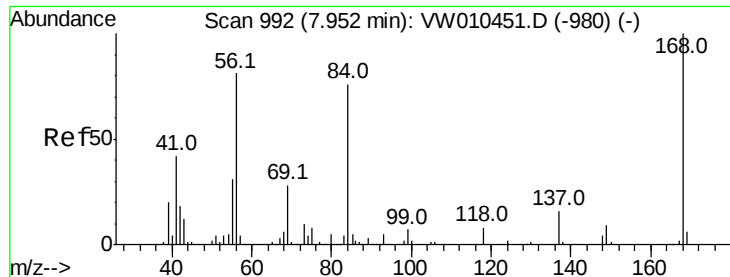
MMDadoda
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#30
Chloroform
Concen: 21.246 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW010502.D
Acq: 22 May 2019 11:30

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.6	52.2	78.4





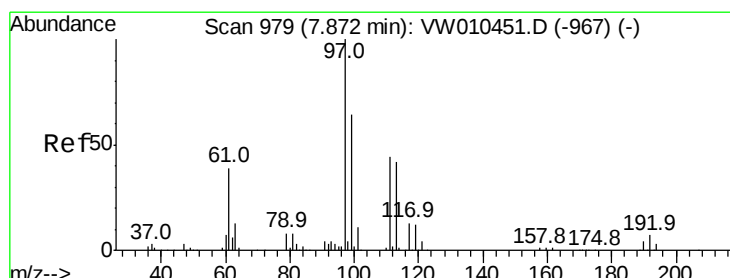
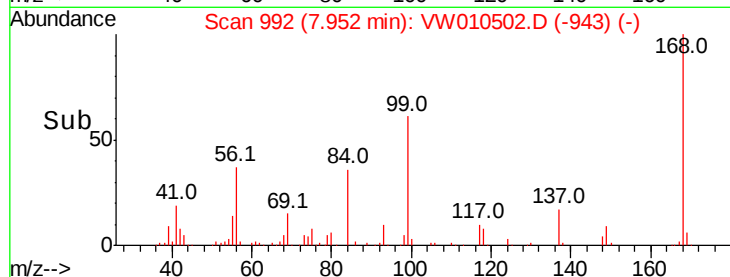
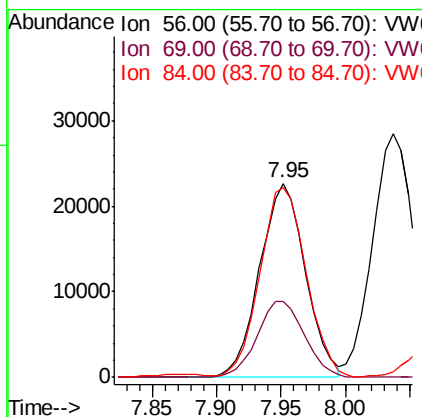
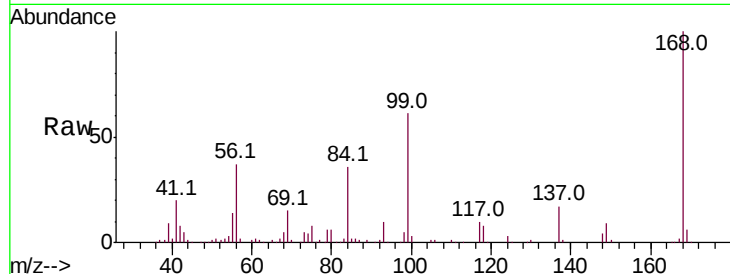
#31
Cyclohexane
Concen: 20.159 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW010502.D
Acq: 22 May 2019 11:30

Instrument :
MSVOA_W
ClientSampleId :
VW0522SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	39.1	28.2	42.2
84	96.8	75.8	113.8

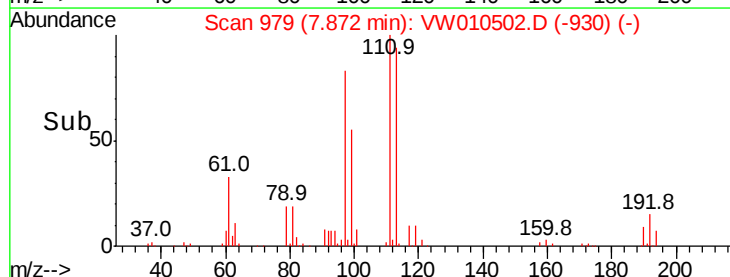
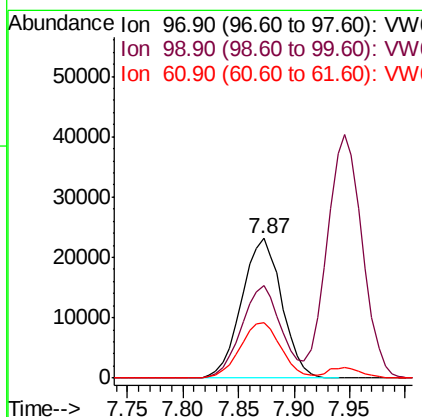
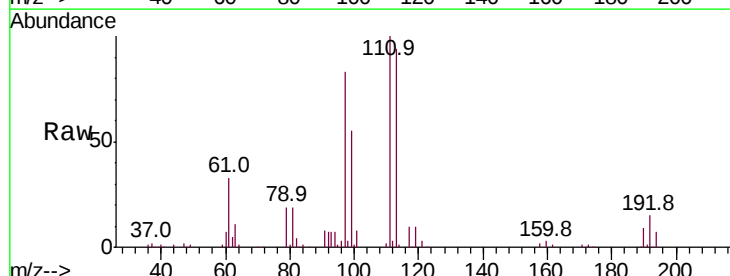
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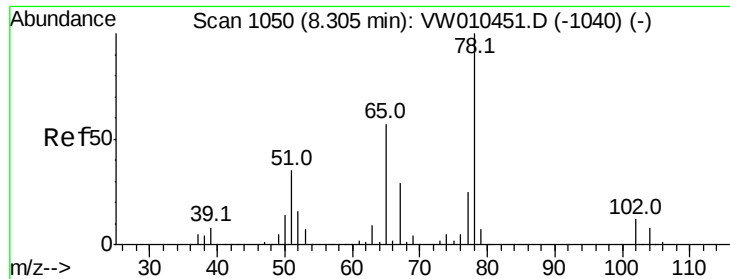
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#32
1,1,1-Trichloroethane
Concen: 21.250 ug/l
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW010502.D
Acq: 22 May 2019 11:30

Tgt Ion	Ratio	Lower	Upper
97	100		
99	66.5	50.8	76.2
61	40.5	32.1	48.1





#33

1,2-Dichloroethane-d4

Concen: 50.381 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW010502.D

Acq: 22 May 2019 11:30

Instrument :

MSVOA_W

ClientSampleId :

VW0522SBS01

Tot Ion: 65 Resp: 73438

Ion Ratio Lower Upper

65 100

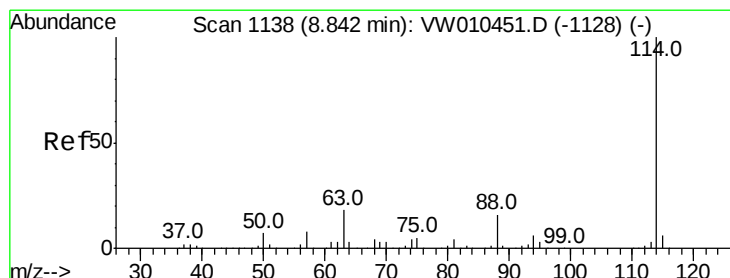
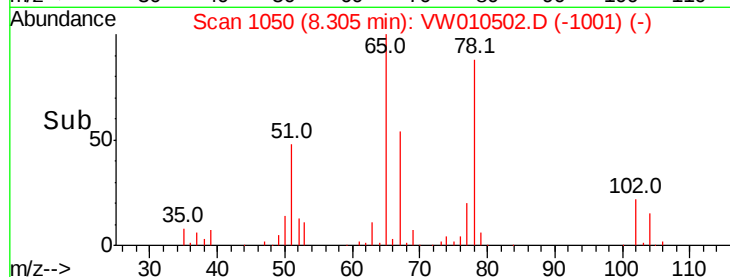
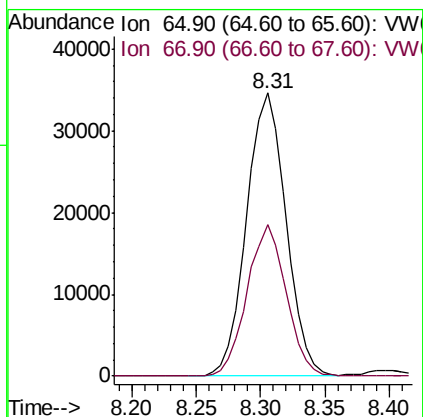
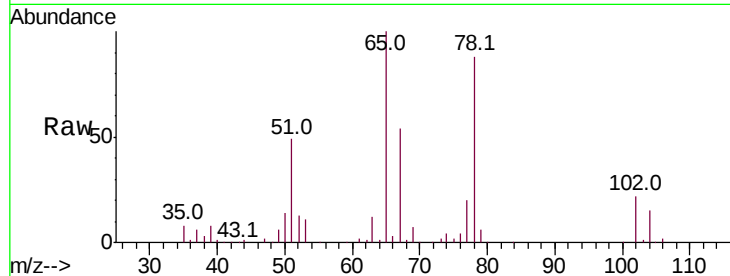
67 53.0 0.0 103.6

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW010502.D

Acq: 22 May 2019 11:30

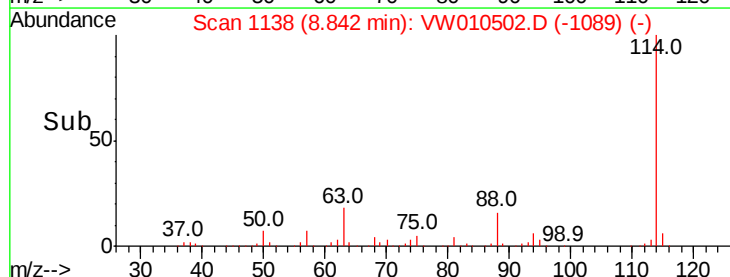
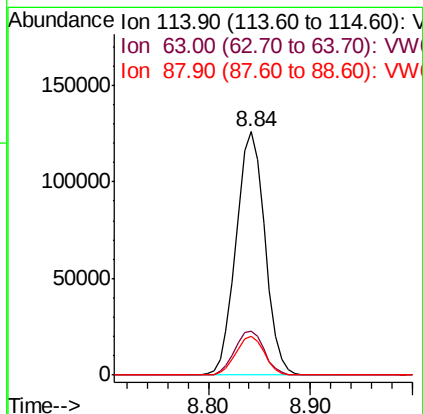
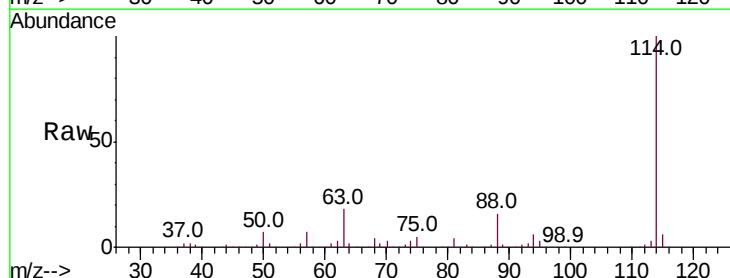
Tgt Ion: 114 Resp: 246522

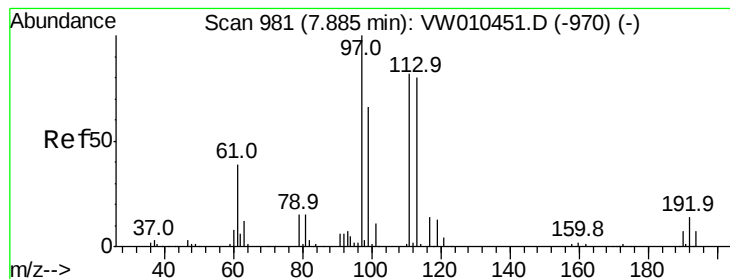
Ion Ratio Lower Upper

114 100

63 18.3 0.0 36.0

88 15.9 0.0 32.0





#35

Dibromofluoromethane

Concen: 51.991 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW010502.D

Acq: 22 May 2019 11:30

Instrument :

MSVOA_W

ClientSampleId :

VW0522SBS01

Tot Ion:113 Resp: 77771

Ion Ratio Lower Upper

113 100

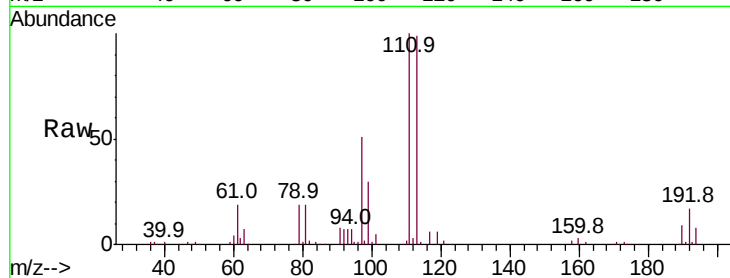
111 103.0 82.2 123.4

192 17.6 14.3 21.5

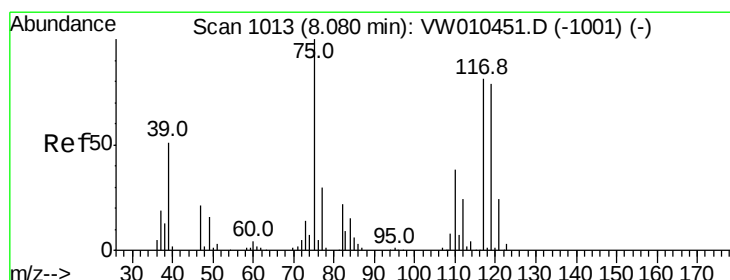
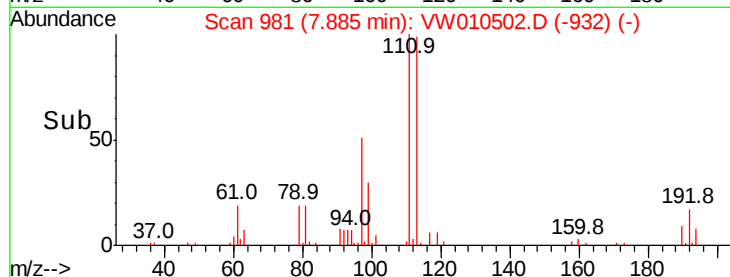
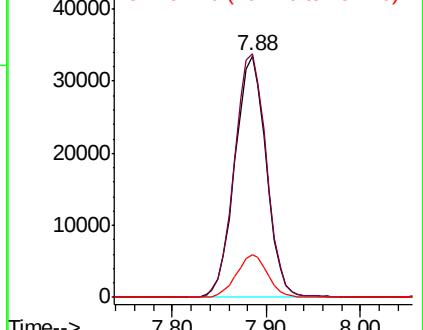
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Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 21.232 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. 0.00 min

Lab File: VW010502.D

Acq: 22 May 2019 11:30

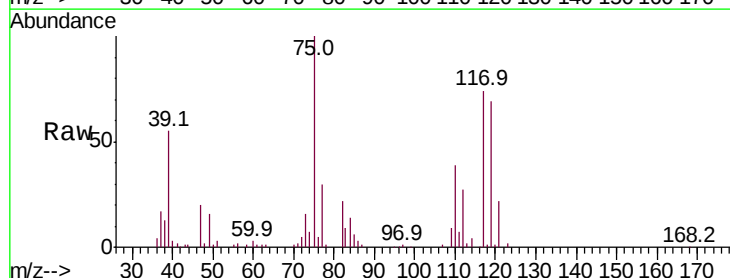
Tgt Ion: 75 Resp: 48759

Ion Ratio Lower Upper

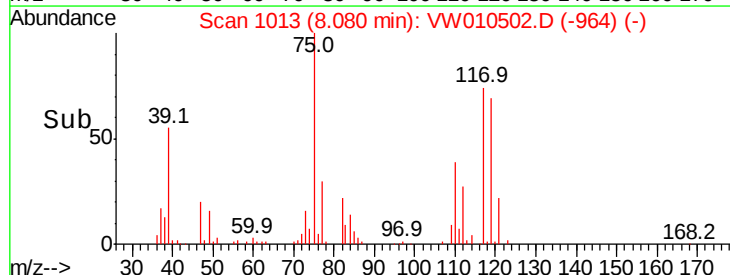
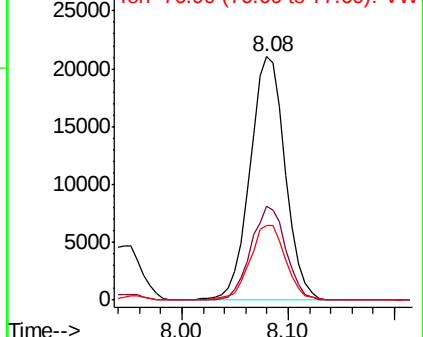
75 100

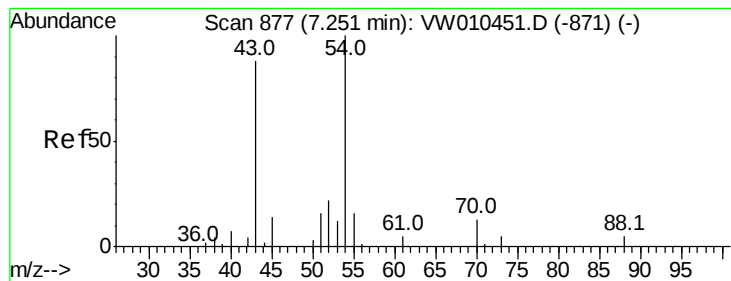
110 38.2 19.2 57.6

77 31.1 25.2 37.8



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VW





#37

Ethyl Acetate

Concen: 15.640 ug/l

RT: 7.25 min Scan# 877

Delta R.T. 0.00 min

Lab File: VW010502.D

Acq: 22 May 2019 11:30

Instrument :

MSVOA_W

ClientSampled :

VW0522SBS01

Tot Ion: 43 Resp: 15274

Ion Ratio Lower Upper

43 100

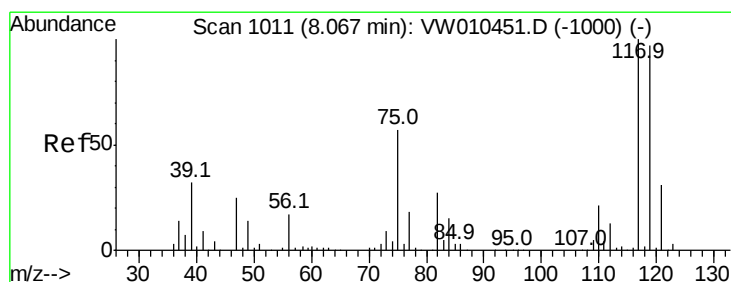
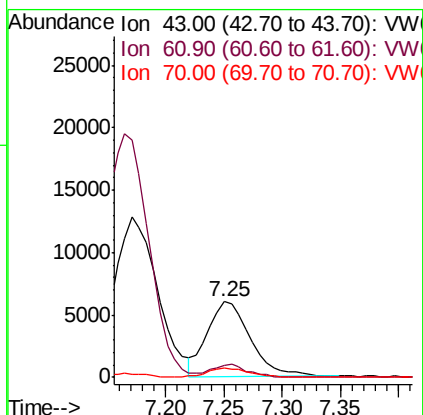
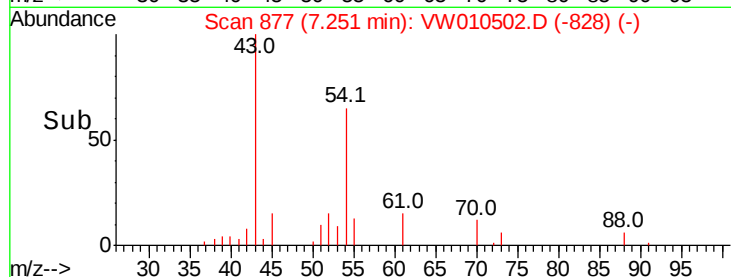
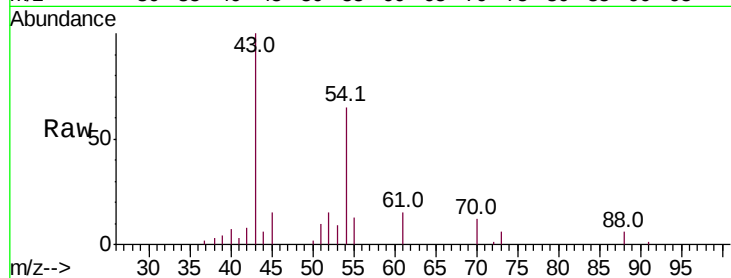
61 14.5 11.2 16.8

70 12.4 9.9 14.9

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#38

Carbon Tetrachloride

Concen: 21.774 ug/l

RT: 8.07 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VW010502.D

Acq: 22 May 2019 11:30

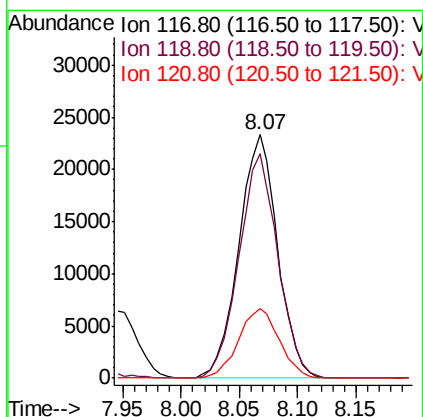
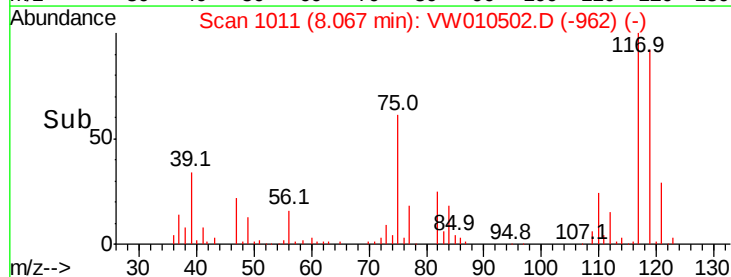
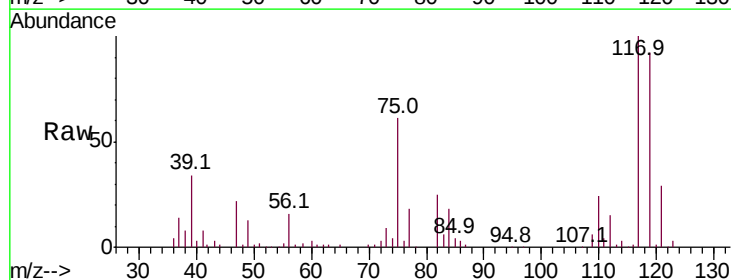
Tgt Ion: 117 Resp: 53940

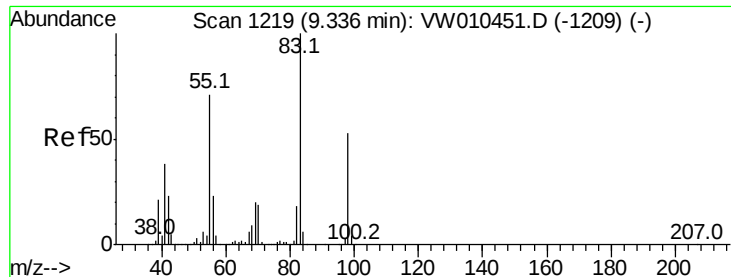
Ion Ratio Lower Upper

117 100

119 92.0 77.4 116.0

121 28.6 25.0 37.6





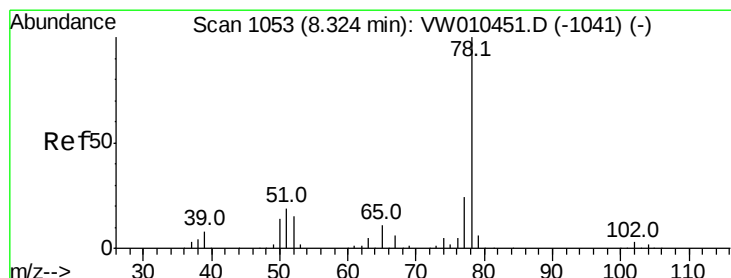
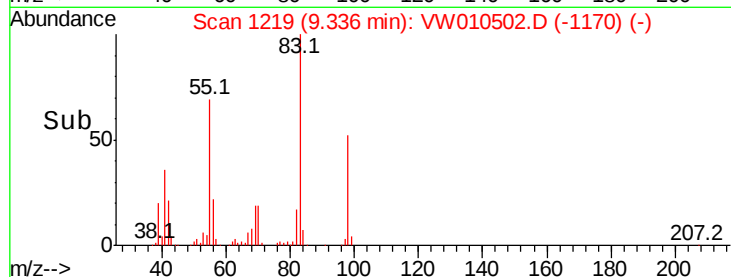
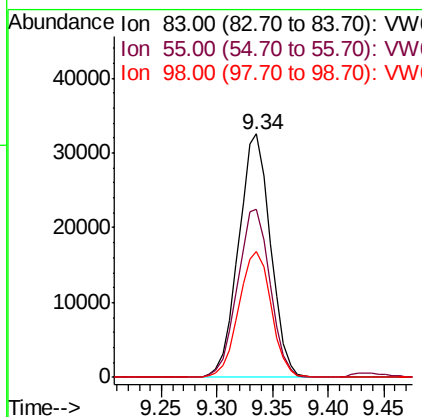
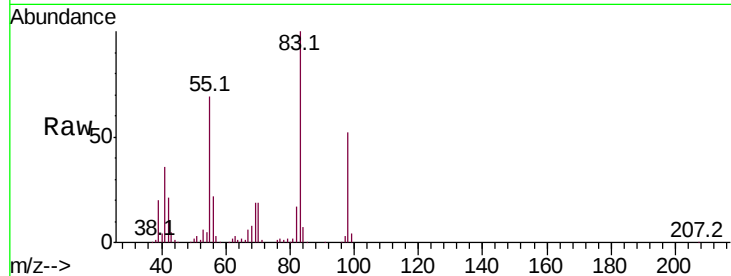
#39
Methvlcvclohexane
Concen: 21.044 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW010502.D
Acq: 22 May 2019 11:30

Instrument :
MSVOA_W
ClientSampleId :
VW0522SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	68.9	57.0	85.6
98	51.9	42.0	63.0

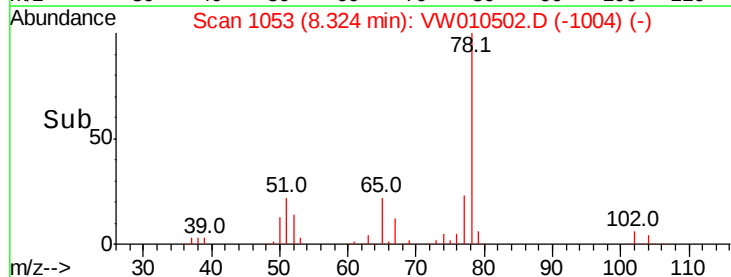
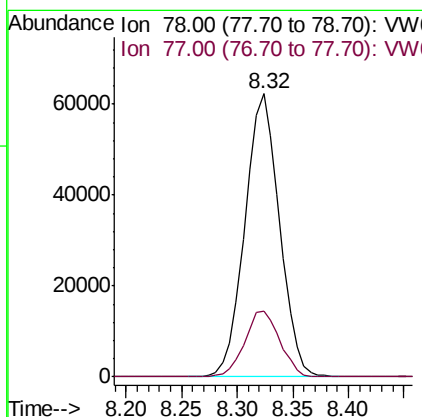
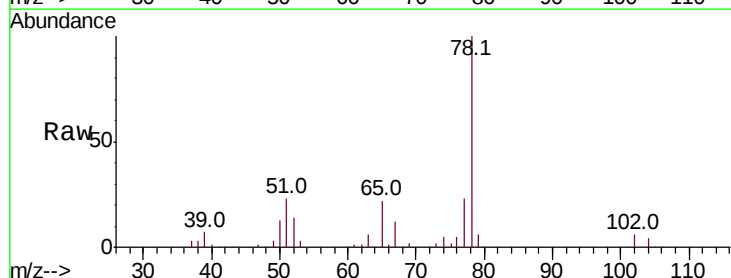
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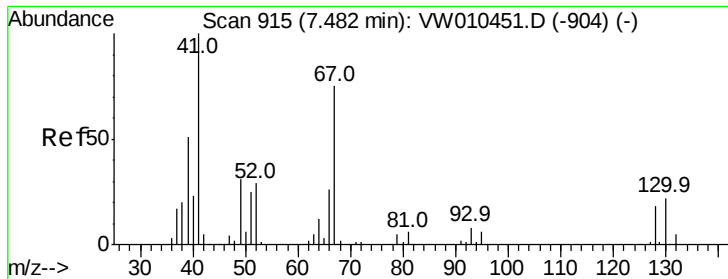
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#40
Benzene
Concen: 21.079 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW010502.D
Acq: 22 May 2019 11:30

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.0	18.9	28.3





#41

Methacrylonitrile

Concen: 17.765 ug/l

RT: 7.48 min Scan# 915

Delta R.T. 0.00 min

Lab File: VW010502.D

Acq: 22 May 2019 11:30

Instrument :

MSVOA_W

ClientSampleId :

VW0522SBS01

Tot Ion: 41 Resp: 10308

Ion Ratio Lower Upper

41 100

39 51.0 47.4 71.2

67 73.2 65.5 98.3

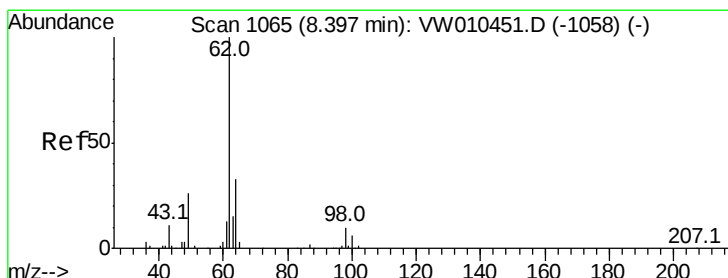
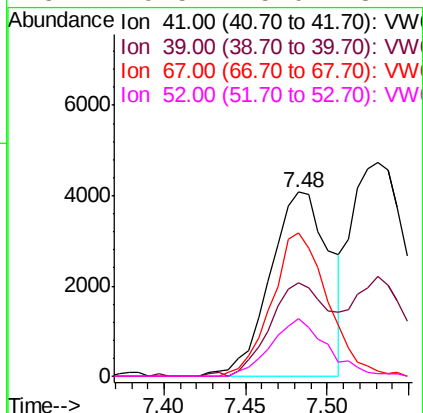
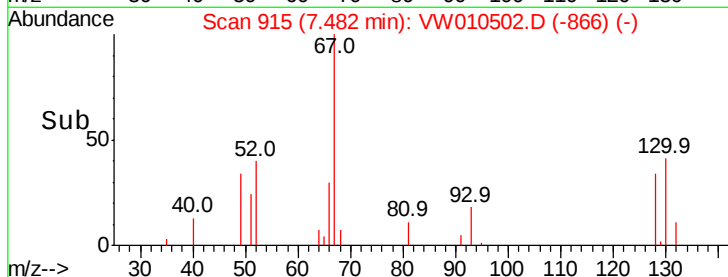
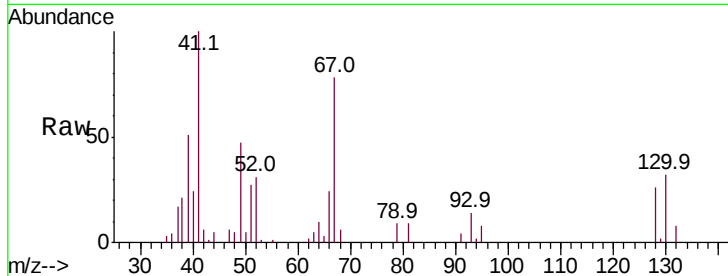
52 29.5 25.0 37.4

Manual Integrations

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#42

1,2-Dichloroethane

Concen: 19.866 ug/l

RT: 8.40 min Scan# 1065

Delta R.T. 0.00 min

Lab File: VW010502.D

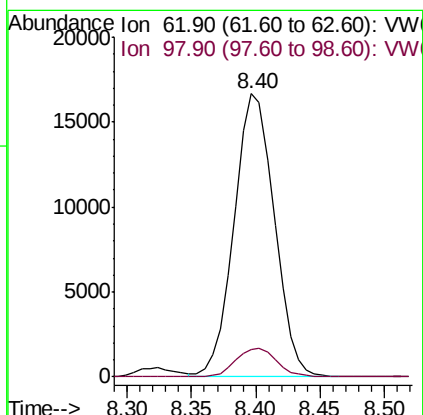
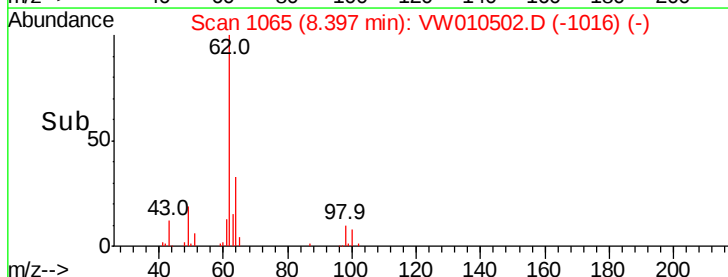
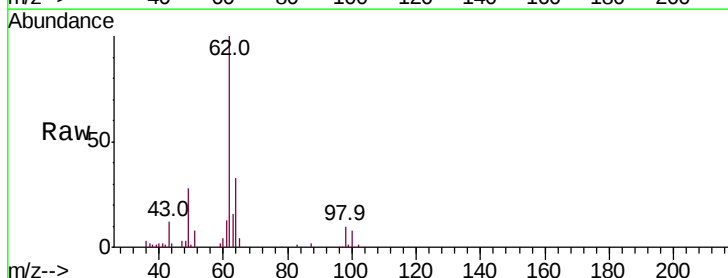
Acq: 22 May 2019 11:30

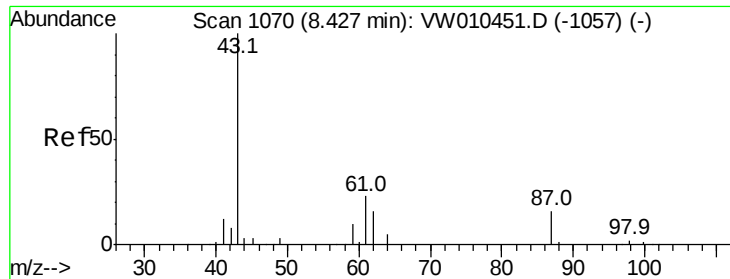
Tgt Ion: 62 Resp: 36241

Ion Ratio Lower Upper

62 100

98 10.1 0.0 21.0





#43

Isopropyl Acetate

Concen: 16.369 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.01 min

Lab File: VW010502.D

Acq: 22 May 2019 11:30

Instrument :

MSVOA_W

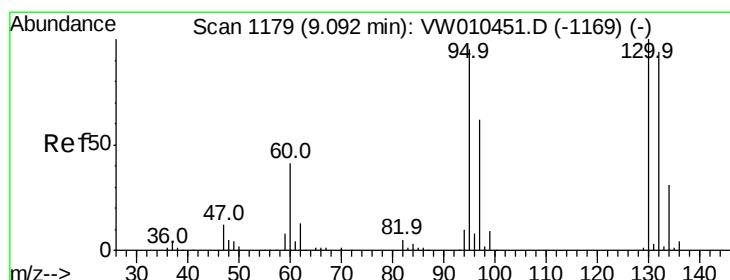
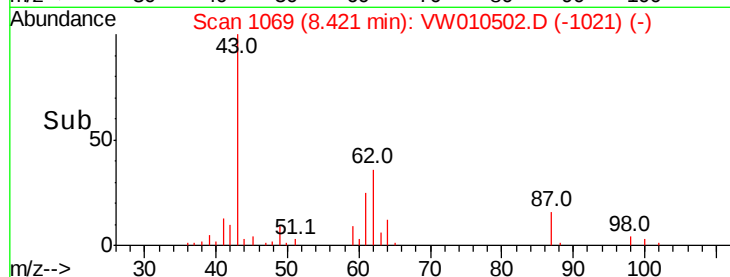
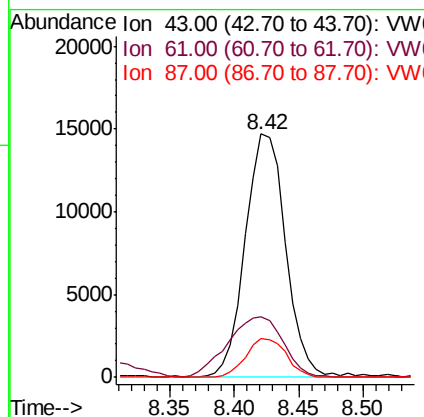
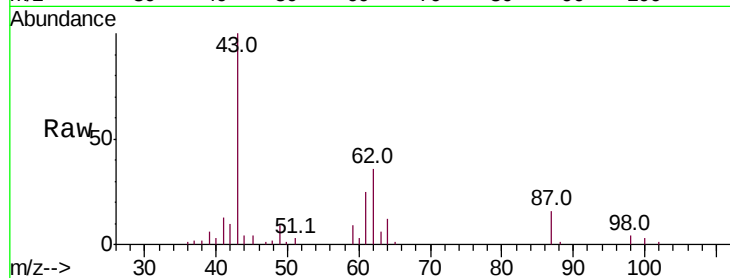
ClientSampleId :

VW0522SBS01

Tot Ion:	43	Resp:	31936
Ion	Ratio	Lower	Upper
43	100		
61	34.3	25.4	38.2
87	16.0	12.7	19.1

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#44

Trichloroethene

Concen: 21.013 ug/l

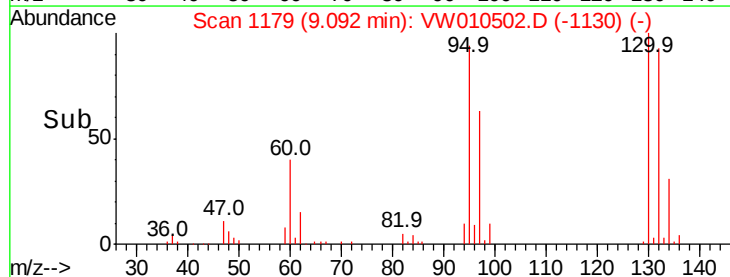
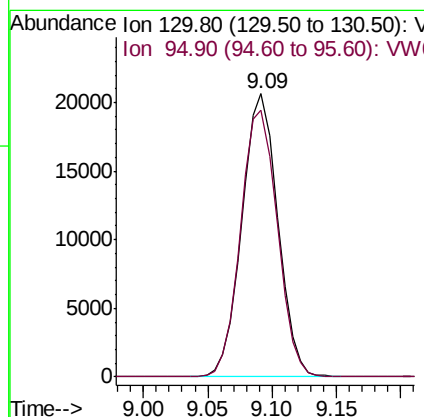
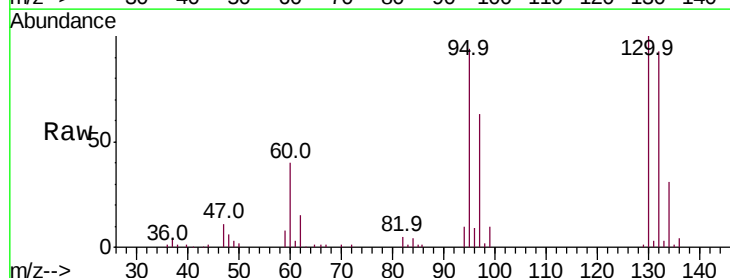
RT: 9.09 min Scan# 1179

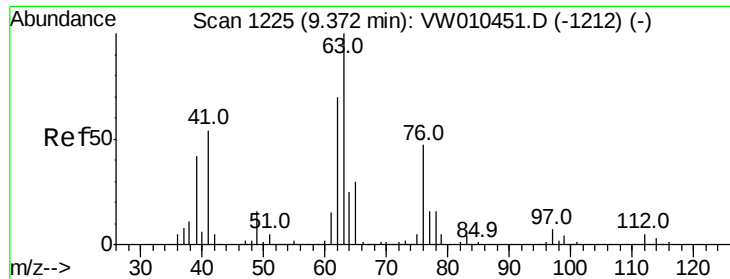
Delta R.T. 0.00 min

Lab File: VW010502.D

Acq: 22 May 2019 11:30

Tgt Ion:	130	Resp:	39819
Ion	Ratio	Lower	Upper
130	100		
95	94.2	0.0	189.6





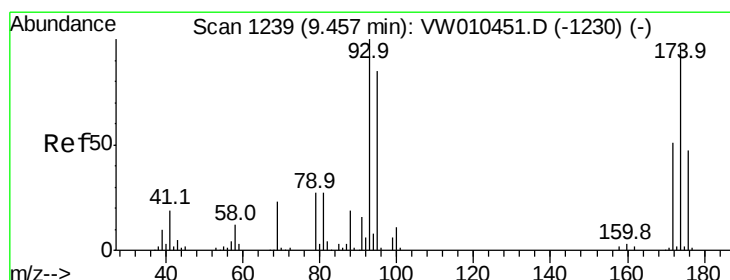
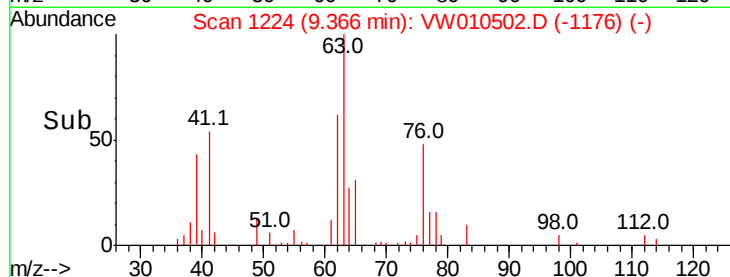
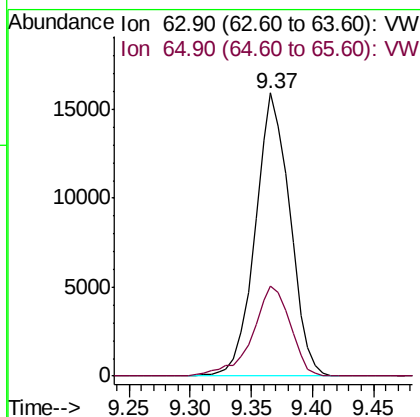
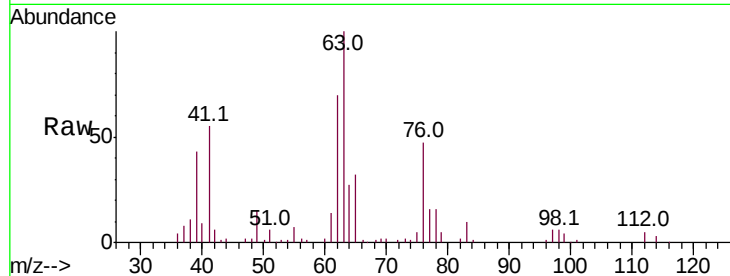
#45
 1,2-Dichloropropane
 Concen: 20.715 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.01 min
 Lab File: VW010502.D
 Acq: 22 May 2019 11:30

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0522SBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.8	24.3	36.5

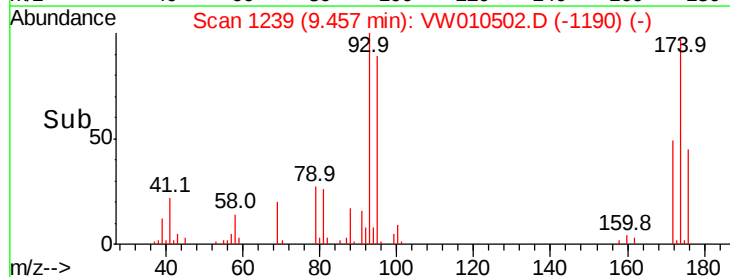
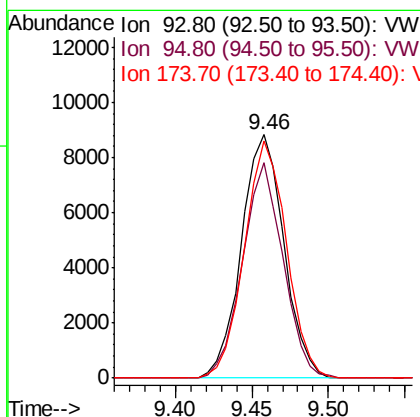
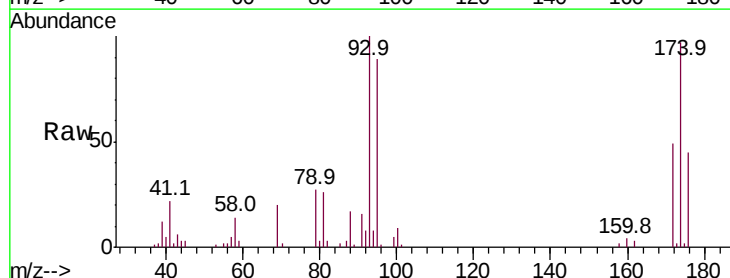
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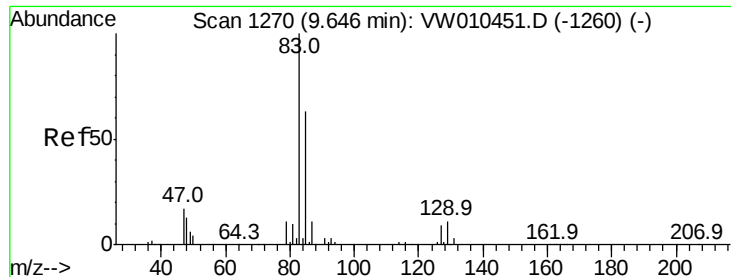
MMDadoda
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#46
 Dibromomethane
 Concen: 19.294 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW010502.D
 Acq: 22 May 2019 11:30

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.9	66.1	99.1
174	96.3	77.1	115.7





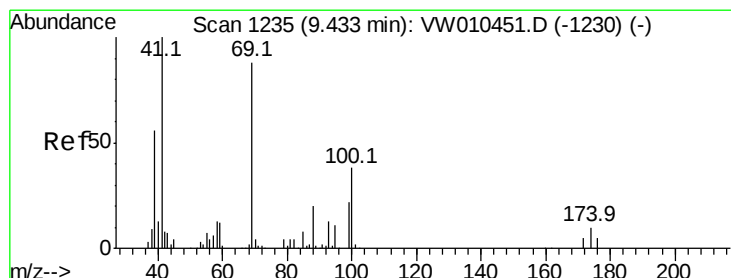
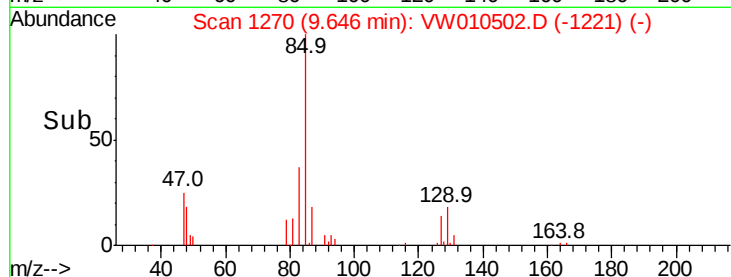
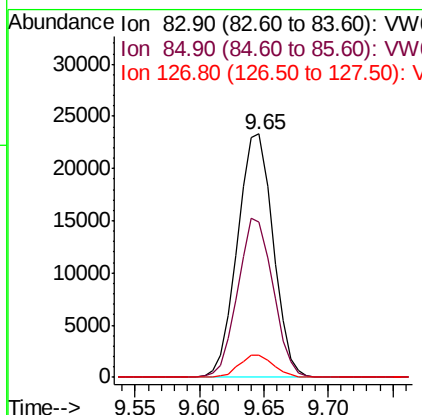
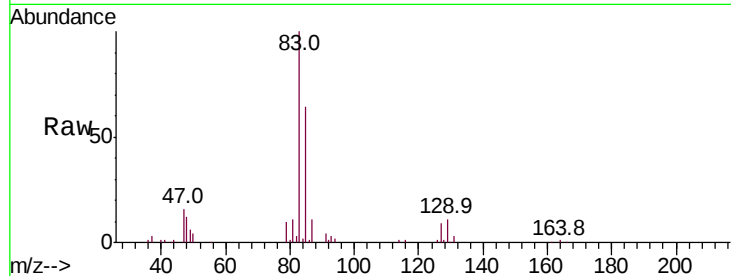
#47
Bromodichloromethane
Concen: 20.092 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. 0.00 min
Lab File: VW010502.D
Acq: 22 May 2019 11:30

Instrument :
MSVOA_W
ClientSampleId :
VW0522SBS01

Tot Ion	83	85	127	Ratio	Lower	Upper
83	100					
85	64.0	50.4				75.6
127	9.3	7.4				11.0

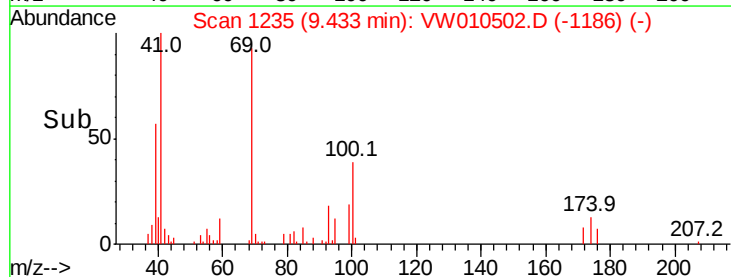
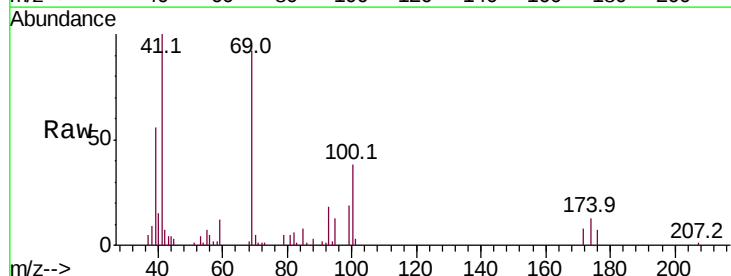
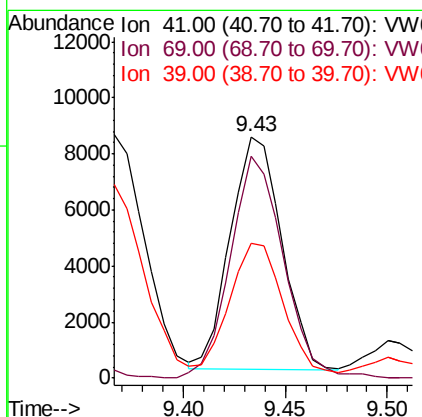
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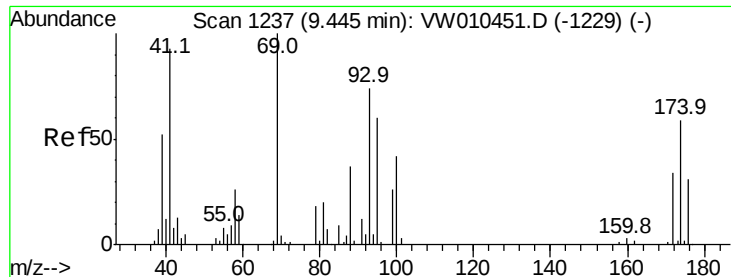
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#48
Methyl methacrylate
Concen: 16.225 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. 0.00 min
Lab File: VW010502.D
Acq: 22 May 2019 11:30

Tgt Ion	41	69	39	Ratio	Lower	Upper
41	100					
69	98.9	77.6				116.4
39	56.6	49.8				74.8





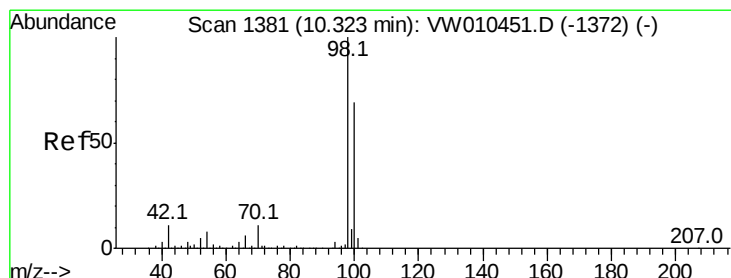
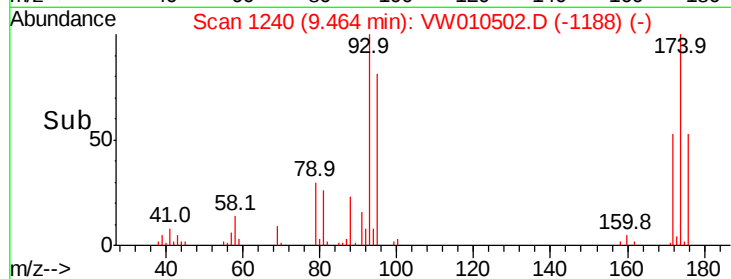
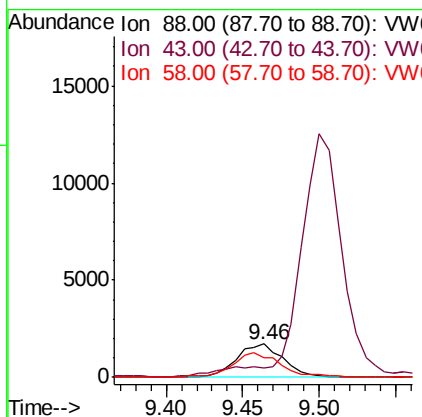
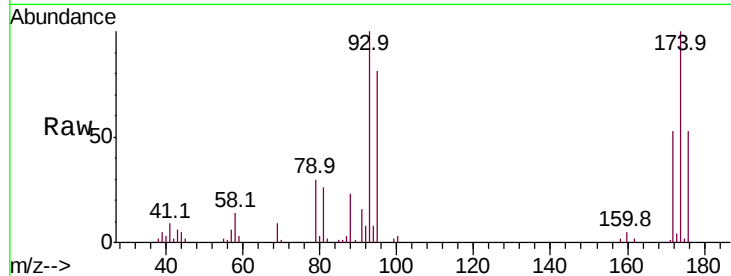
#49
1,4-Dioxane
Concen: 248.993 ug/l
RT: 9.46 min Scan# 1240
Delta R.T. 0.02 min
Lab File: VW010502.D
Acq: 22 May 2019 11:30

Instrument :
MSVOA_W
ClientSampleId :
VW0522SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	34.4	25.9	38.9
58	78.1	52.7	79.1

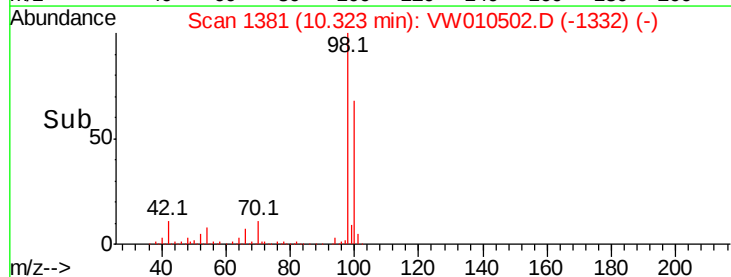
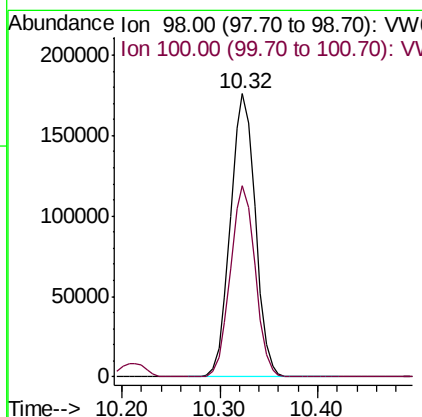
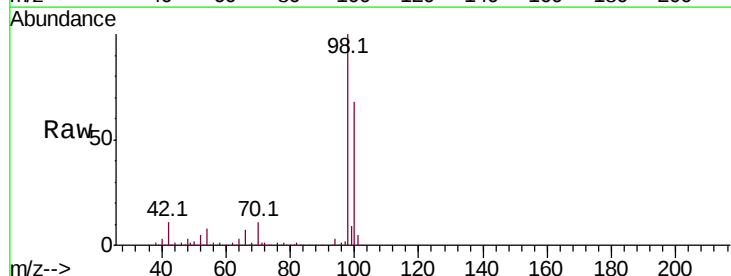
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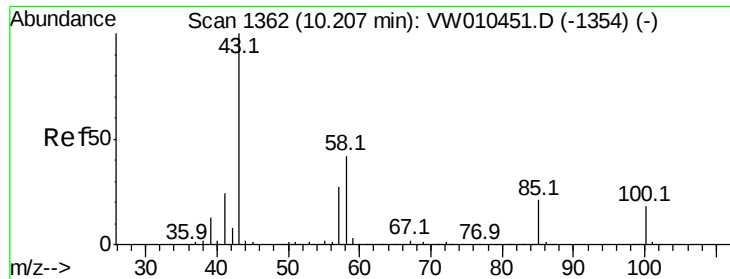
MMDadoda
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#50
Toluene-d8
Concen: 54.414 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW010502.D
Acq: 22 May 2019 11:30

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.9	53.7	80.5





#51

4-Methyl-2-Pentanone

Concen: 78.804 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW010502.D

Acq: 22 May 2019 11:30

Instrument :

MSVOA_W

ClientSampleID :

VW0522SBS01

Tot Ion: 43 Resp: 77906

Ion Ratio Lower Upper

43 100

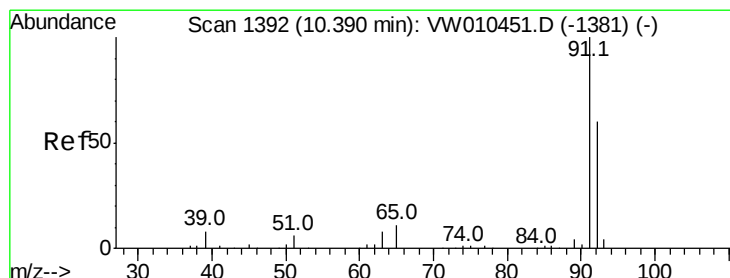
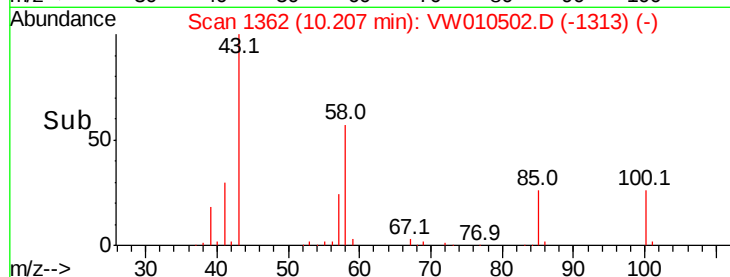
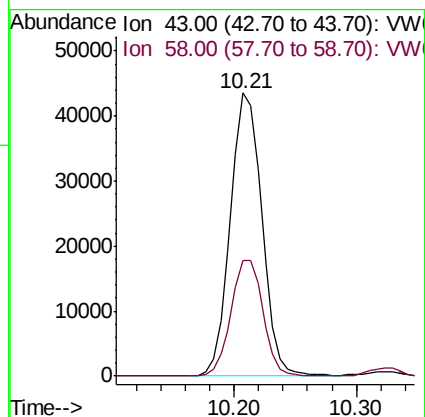
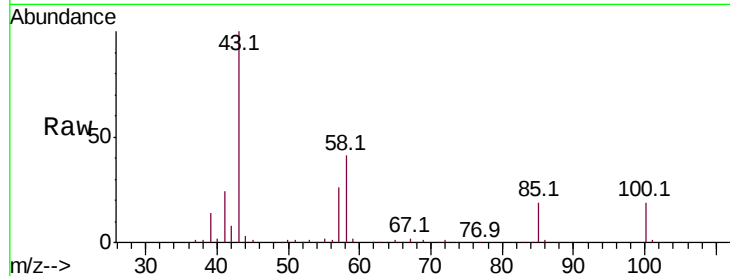
58 41.5 33.2 49.8

Manual Integrations

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#52

Toluene

Concen: 21.355 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW010502.D

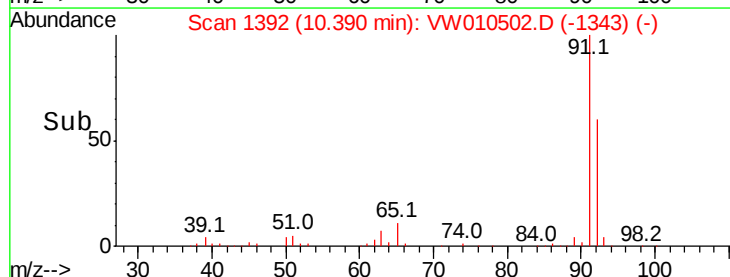
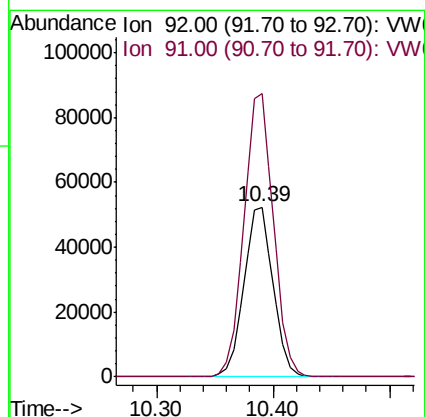
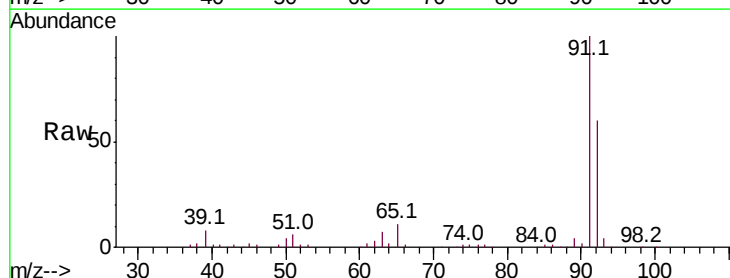
Acq: 22 May 2019 11:30

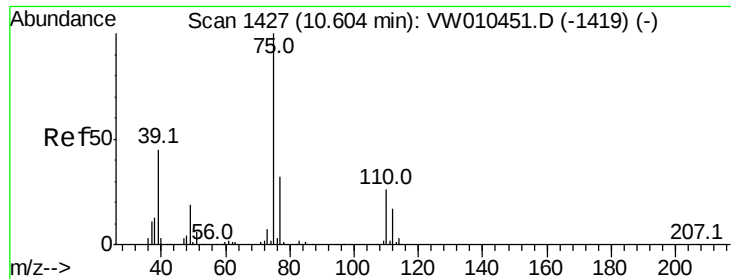
Tgt Ion: 92 Resp: 91540

Ion Ratio Lower Upper

92 100

91 168.5 135.4 203.0





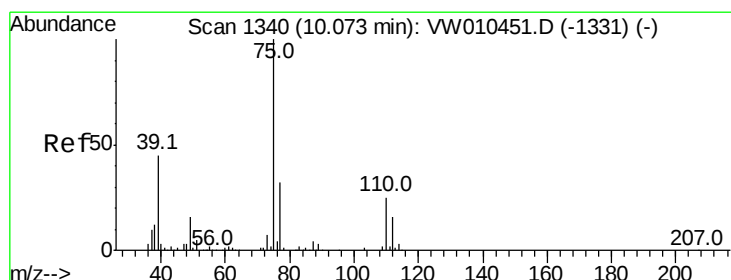
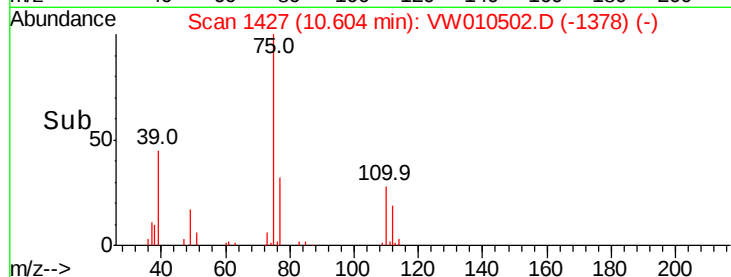
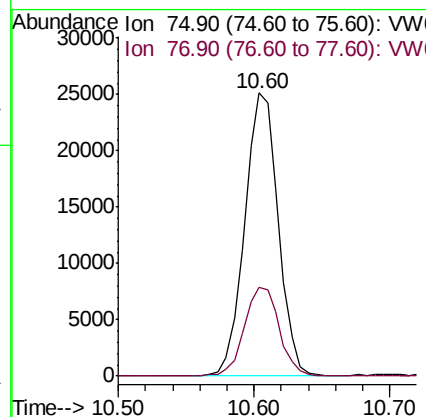
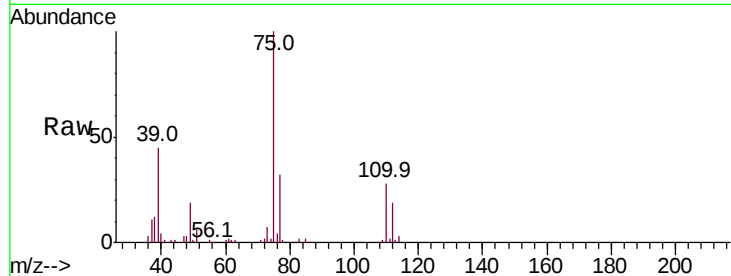
#53
 t-1,3-Dichloropropene
 Concen: 19.176 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. 0.00 min
 Lab File: VW010502.D
 Acq: 22 May 2019 11:30

Instrument :
 MSVOA_W
 ClientSampled :
 VW0522SBS01

Tot Ion: 75 Resp: 43267
 Ion Ratio Lower Upper
 75 100
 77 31.6 25.4 38.0

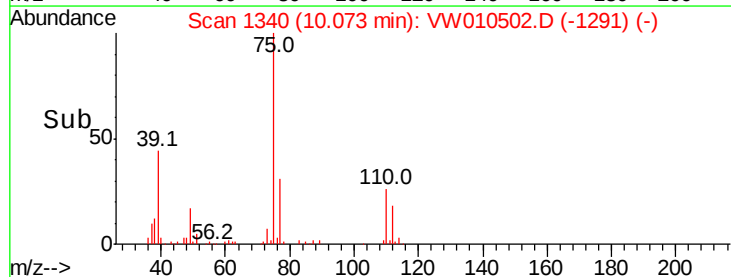
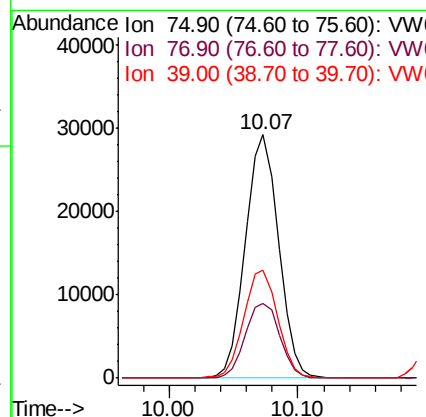
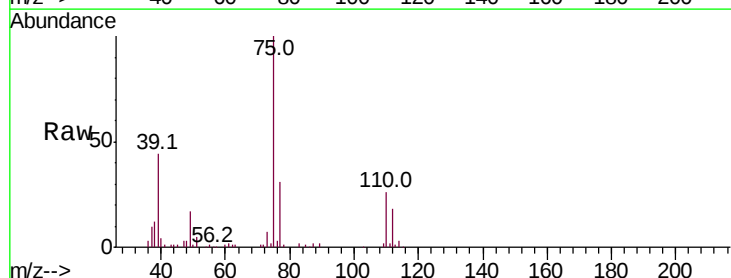
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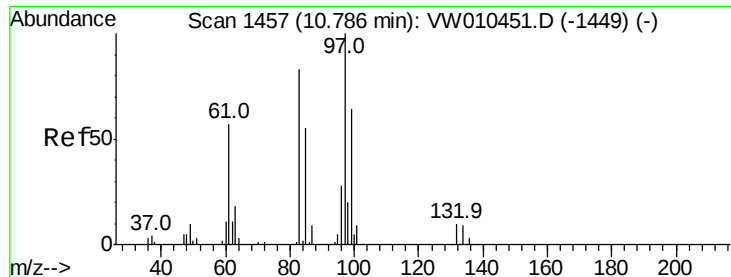
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#54
 cis-1,3-Dichloropropene
 Concen: 20.173 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW010502.D
 Acq: 22 May 2019 11:30

Tgt Ion: 75 Resp: 51984
 Ion Ratio Lower Upper
 75 100
 77 30.7 25.7 38.5
 39 44.2 36.2 54.4





#55

1,1,2-Trichloroethane

Concen: 19.140 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW010502.D

Acq: 22 May 2019 11:30

Instrument :

MSVOA_W

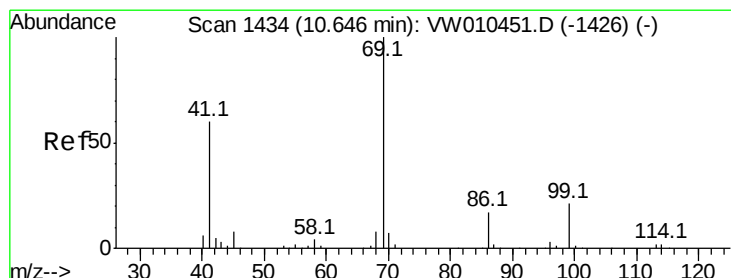
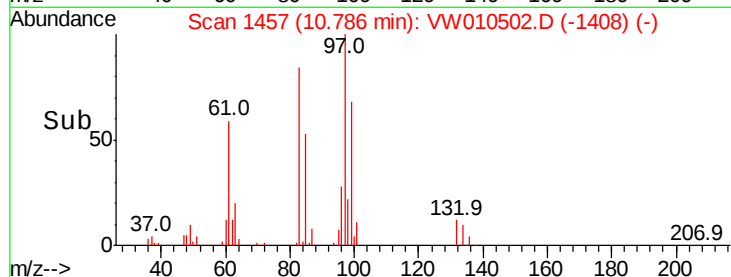
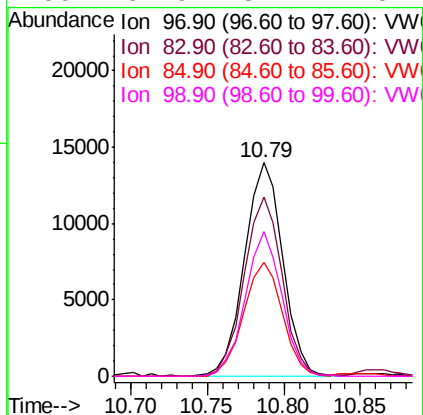
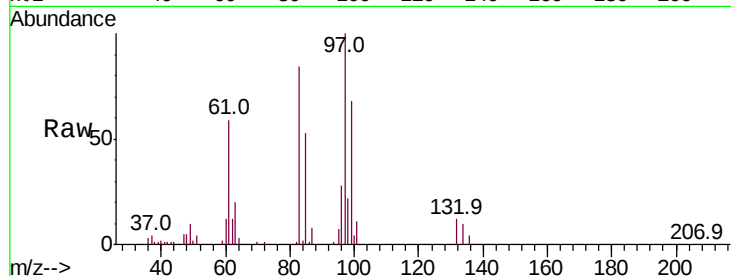
ClientSampleId :

VW0522SBS01

Tot Ion:	97	Resp:	24401
Ion	Ratio	Lower	Upper
97	100		
83	84.2	66.1	99.1
85	53.3	44.2	66.4
99	67.9	51.1	76.7

Manual Integrations
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#56

Ethyl methacrylate

Concen: 16.936 ug/l

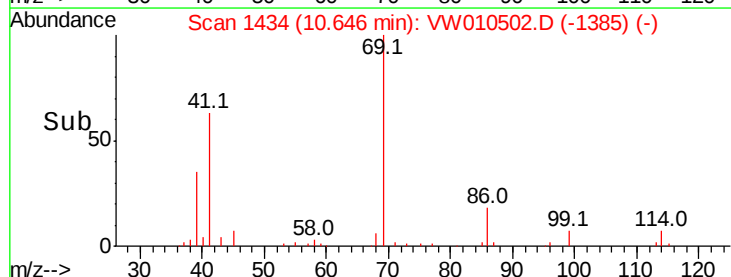
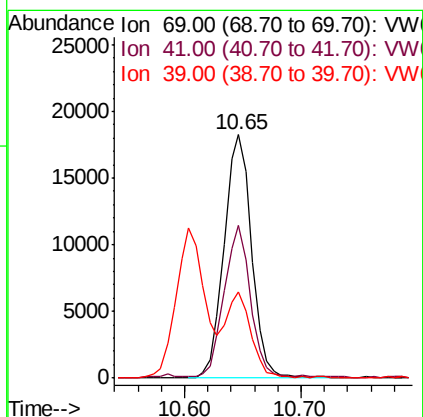
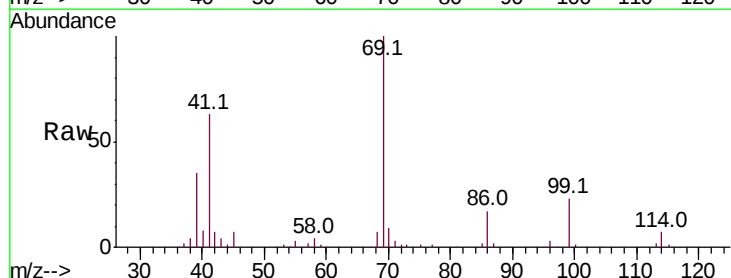
RT: 10.65 min Scan# 1434

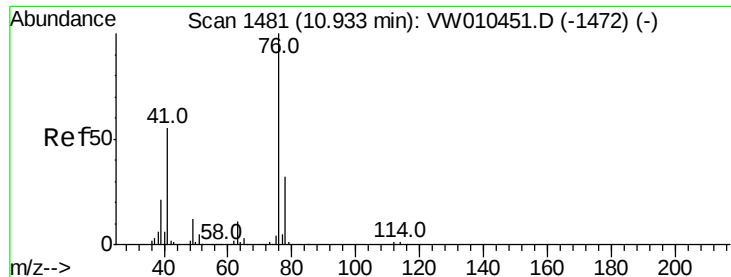
Delta R.T. 0.00 min

Lab File: VW010502.D

Acq: 22 May 2019 11:30

Tgt Ion:	69	Resp:	29778
Ion	Ratio	Lower	Upper
69	100		
41	59.4	47.7	71.5
39	33.0	25.3	37.9





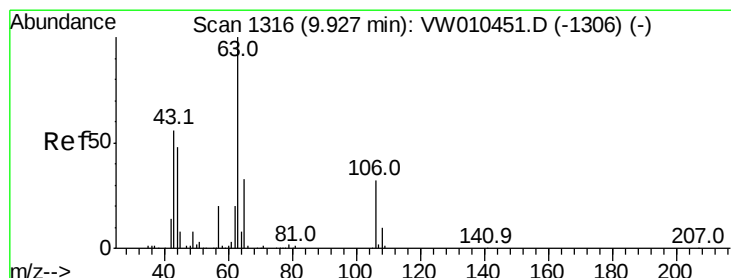
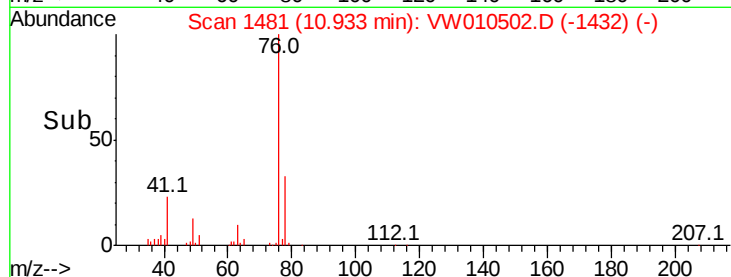
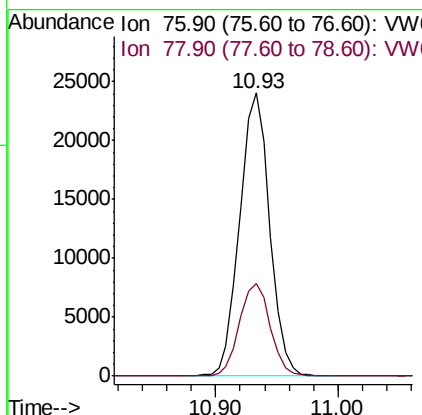
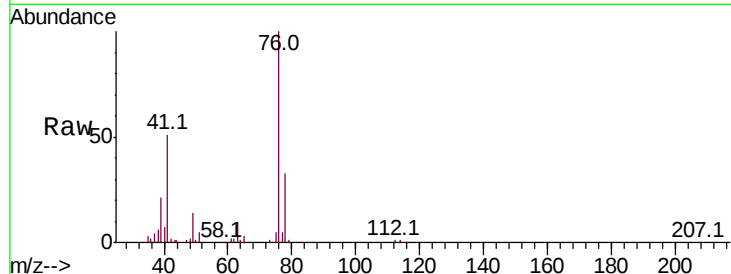
#57
 1,3-Dichloropropane
 Concen: 19.136 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW010502.D
 Acq: 22 May 2019 11:30

Instrument :
 MSVOA_W
 ClientSampled :
 VW0522SBS01

Tot Ion: 76 Resp: 40865
 Ion Ratio Lower Upper
 76 100
 78 33.5 26.2 39.2

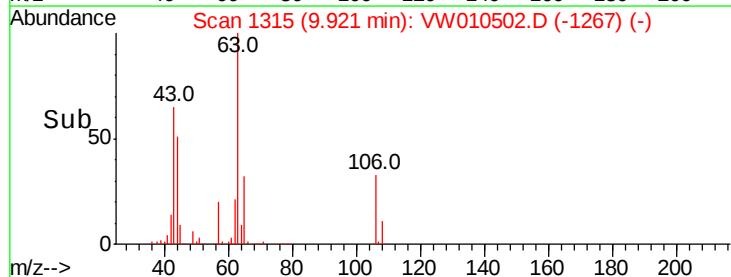
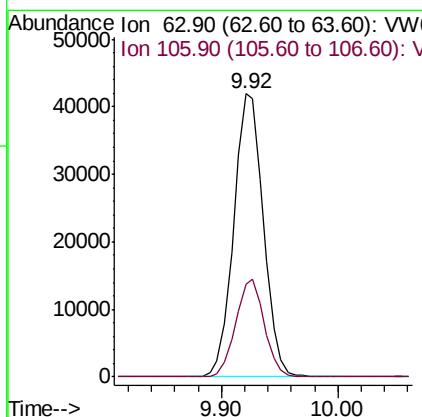
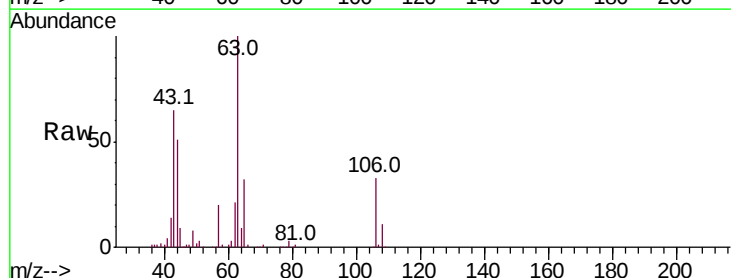
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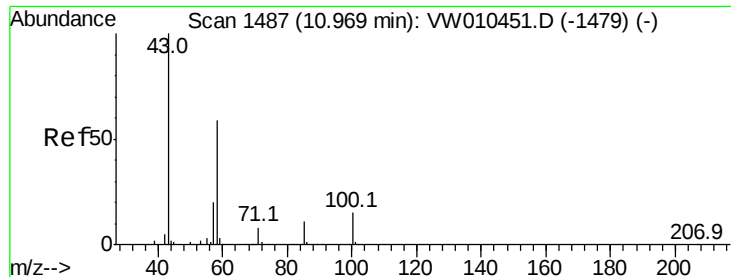
MMDadoda
 5/23/2019 11:42:17 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 95.274 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.01 min
 Lab File: VW010502.D
 Acq: 22 May 2019 11:30

Tgt Ion: 63 Resp: 74198
 Ion Ratio Lower Upper
 63 100
 106 33.2 25.8 38.6





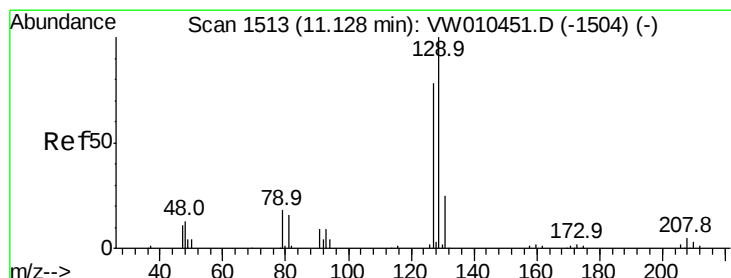
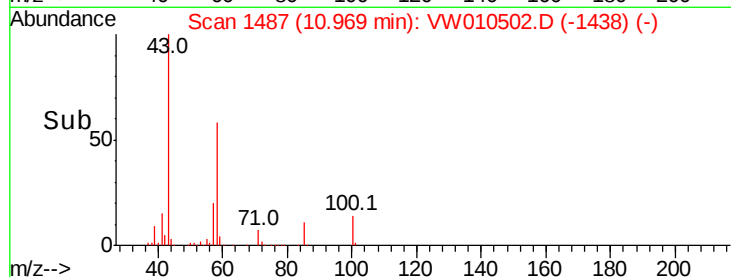
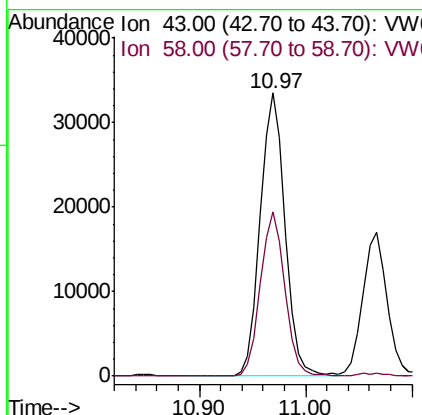
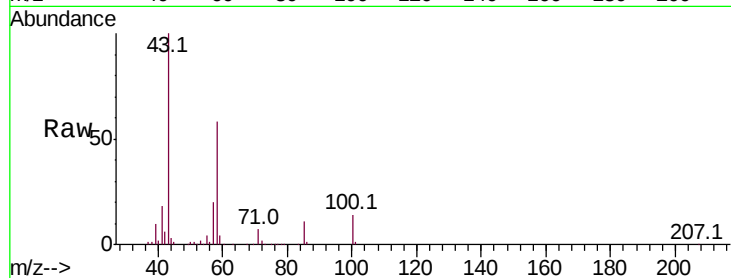
#59
2-Hexanone
Concen: 78.028 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW010502.D
Acq: 22 May 2019 11:30

Instrument :
MSVOA_W
ClientSampleId :
VW0522SBS01

Tot Ion: 43 Resp: 55027
Ion Ratio Lower Upper
43 100
58 57.3 28.9 86.8

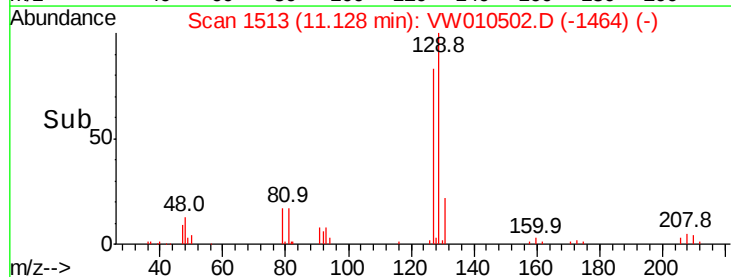
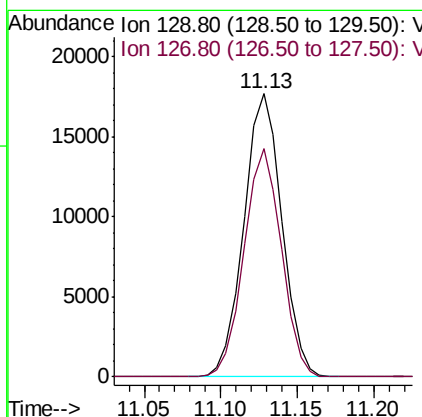
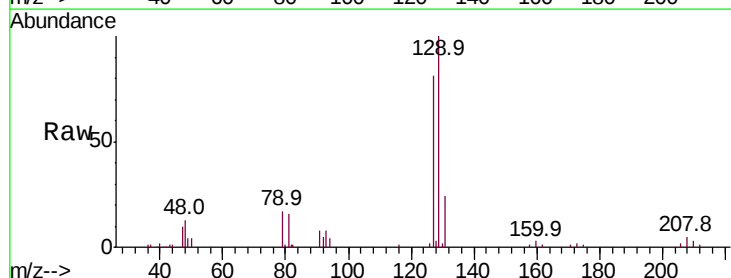
Manual Integrations
APPROVED

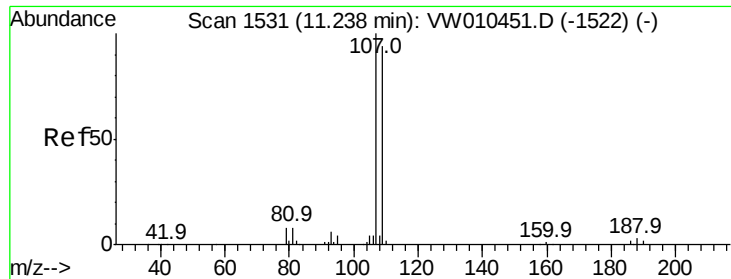
MMDadoda
5/23/2019 11:42:17 AM



#60
Dibromochloromethane
Concen: 18.955 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW010502.D
Acq: 22 May 2019 11:30

Tgt Ion: 129 Resp: 30584
Ion Ratio Lower Upper
129 100
127 79.2 38.9 116.7





#61

1,2-Dibromoethane

Concen: 18.643 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. 0.00 min

Lab File: VW010502.D

Acq: 22 May 2019 11:30

Instrument :

MSVOA_W

ClientSampleId :

VW0522SBS01

Tot Ion:107 Resp: 24076

Ion Ratio Lower Upper

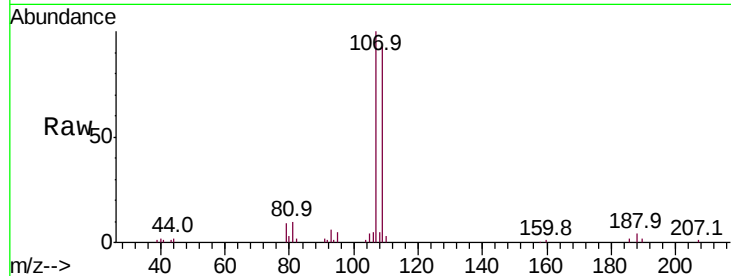
107 100

109 94.8 75.0 112.4

Manual Integrations
APPROVED

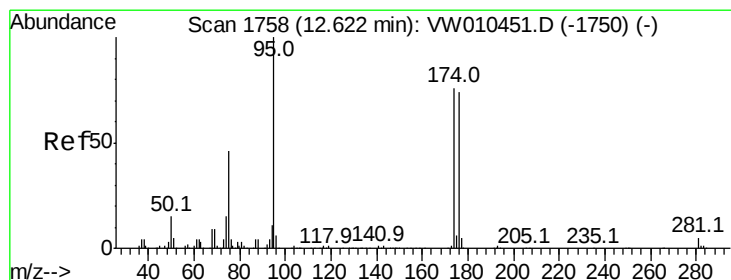
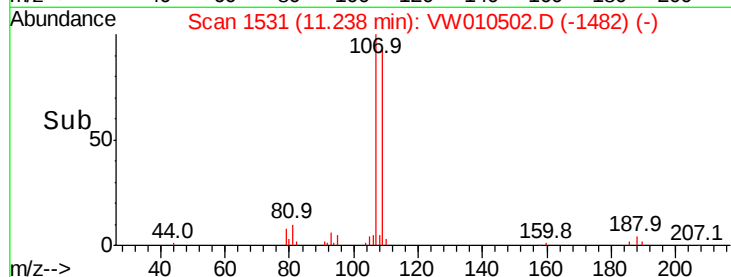
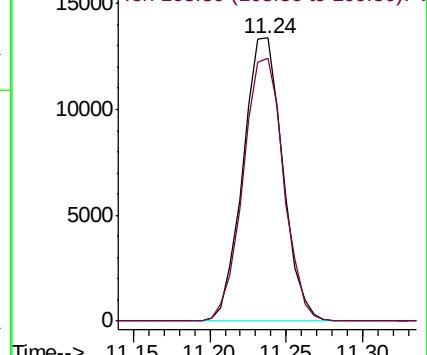
MMDadoda

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 50.478 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW010502.D

Acq: 22 May 2019 11:30

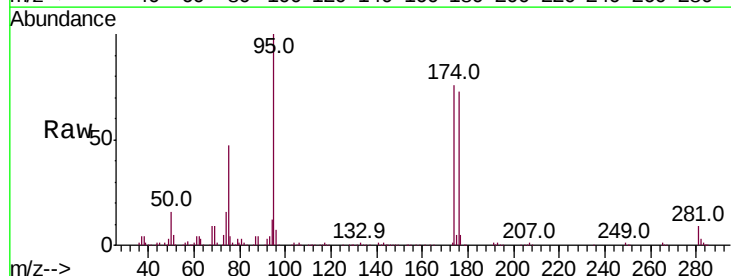
Tgt Ion: 95 Resp: 114897

Ion Ratio Lower Upper

95 100

174 72.5 0.0 148.6

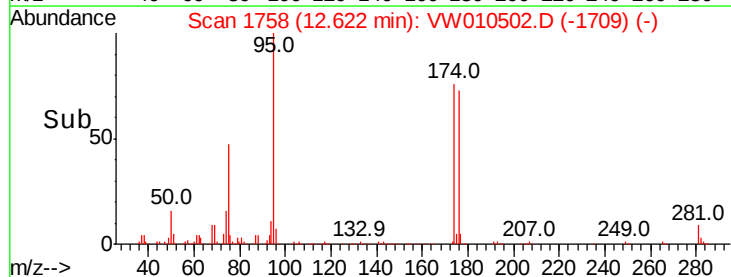
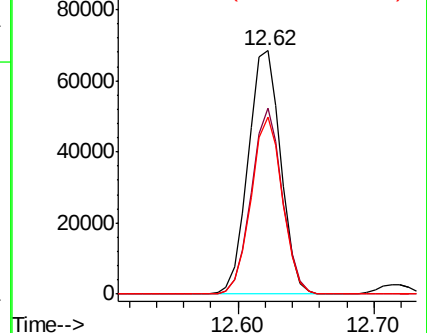
176 70.1 0.0 144.2

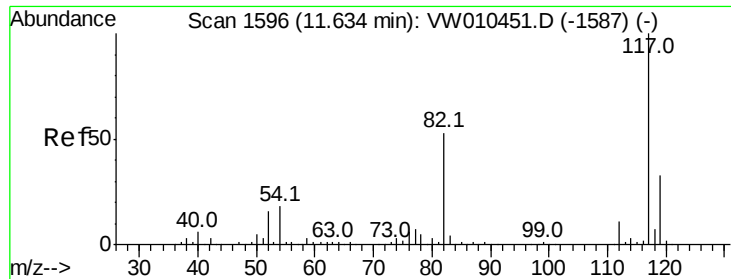


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. 0.00 min

Lab File: VW010502.D

Acq: 22 May 2019 11:30

Instrument :

MSVOA_W

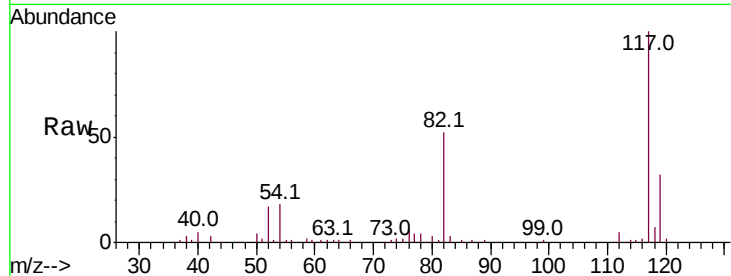
ClientSampleId :

VW0522SBS01

Tot Ion:	117	Resp:	215430
Ion Ratio	Lower	Upper	
117	100		
82	51.5	42.8	64.2
119	32.4	26.3	39.5

Manual Integrations
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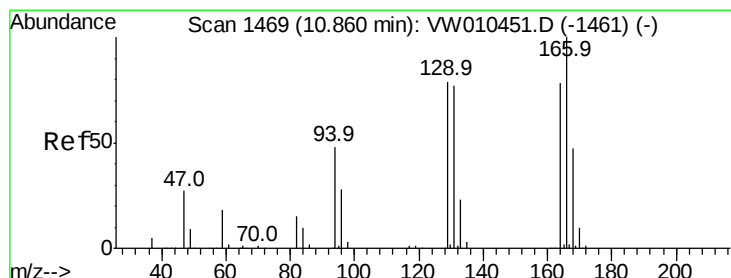
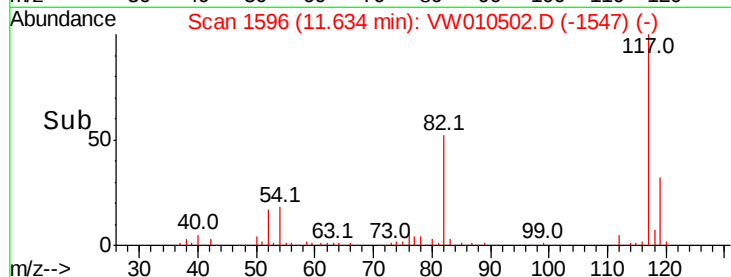
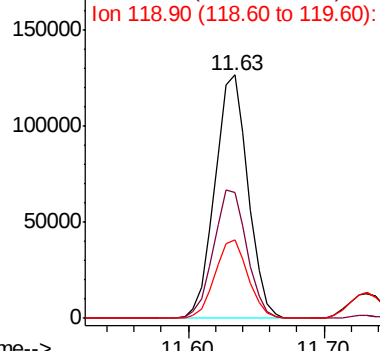


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 21.206 ug/l

RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW010502.D

Acq: 22 May 2019 11:30

Tgt Ion:	164	Resp:	31846
Ion Ratio	Lower	Upper	
164	100		
166	125.7	101.9	152.9
129	99.4	80.6	121.0
131	95.8	78.2	117.2

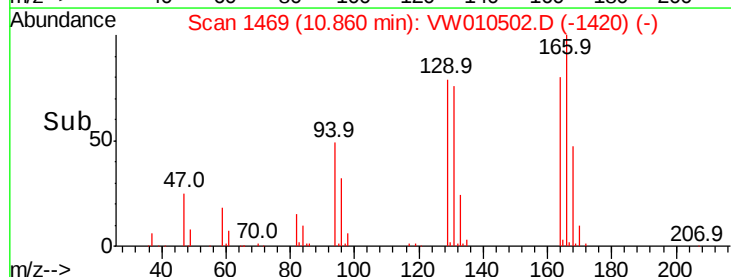
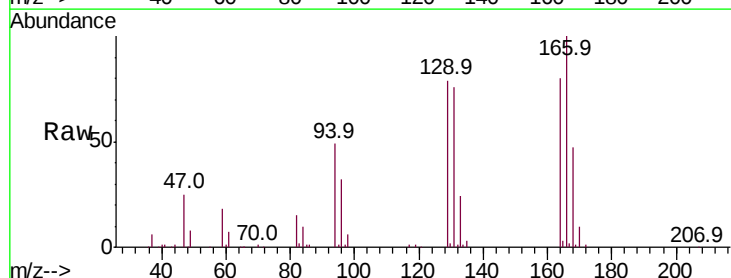
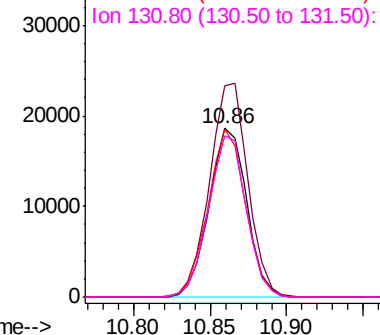
Abundance

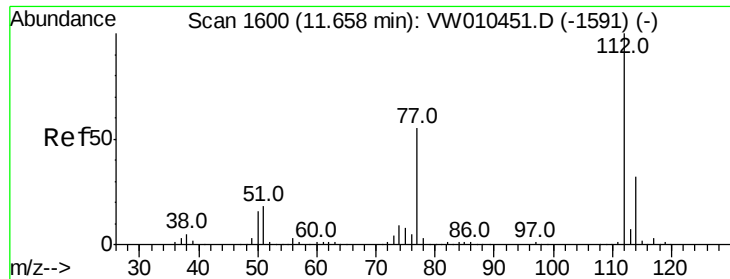
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 21.438 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW010502.D

Acq: 22 May 2019 11:30

Instrument :

MSVOA_W

ClientSampleId :

VW0522SBS01

Tot Ion:112 Resp: 98430

Ion Ratio Lower Upper

112 100

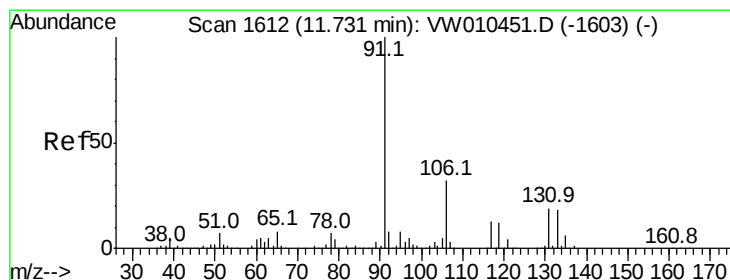
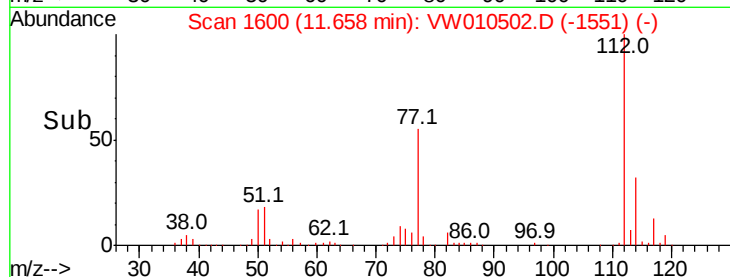
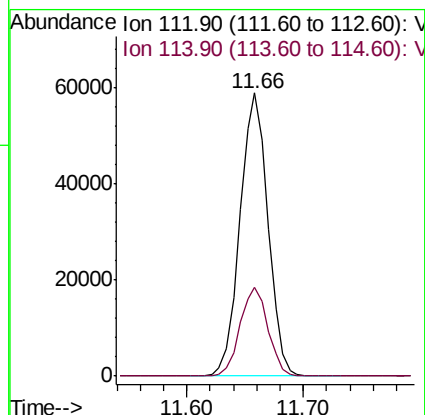
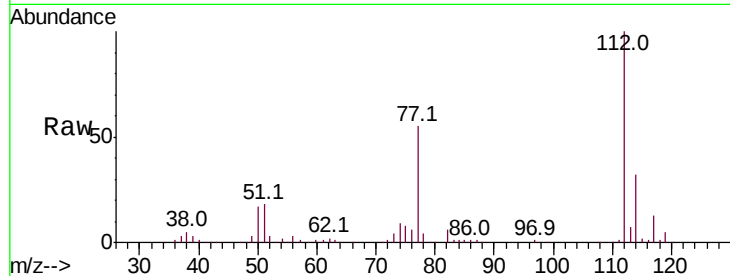
114 31.5 25.3 37.9

Manual Integrations

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#66

1,1,1,2-Tetrachloroethane

Concen: 21.299 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW010502.D

Acq: 22 May 2019 11:30

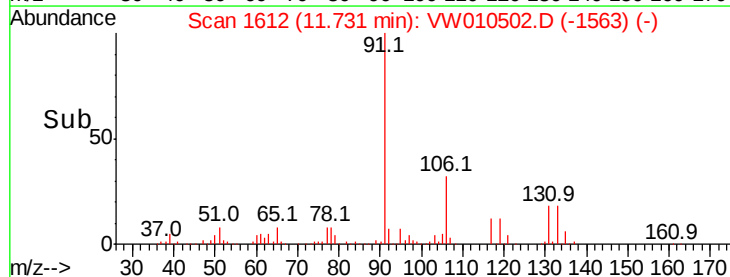
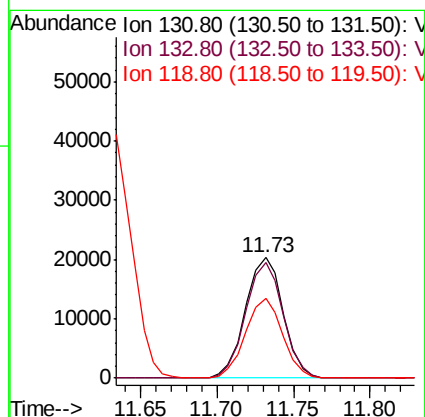
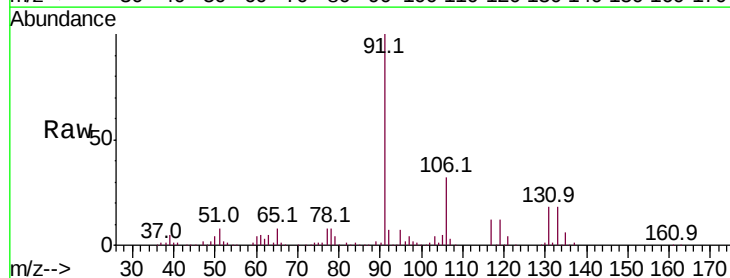
Tgt Ion:131 Resp: 35030

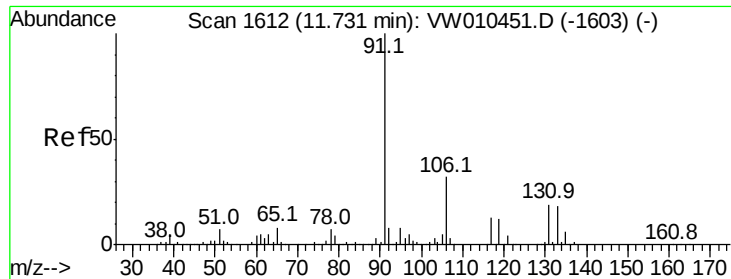
Ion Ratio Lower Upper

131 100

133 95.2 47.3 141.9

119 64.9 32.1 96.5





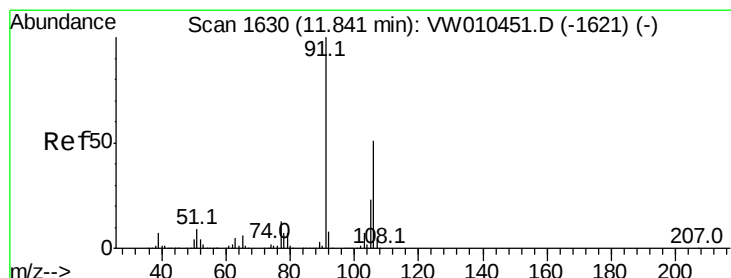
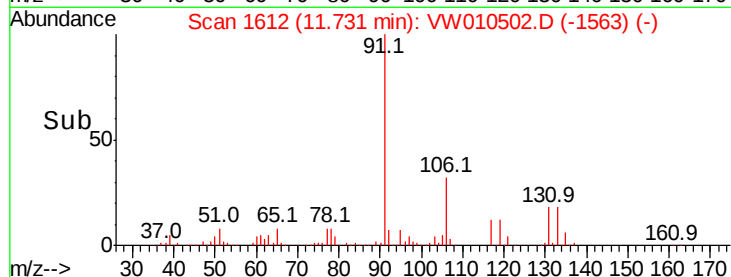
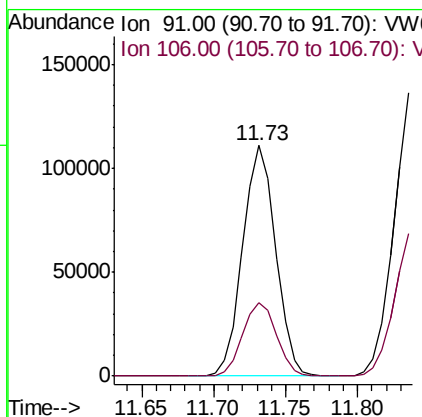
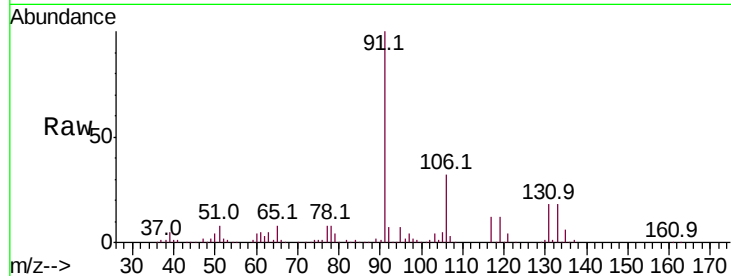
#67
Ethyl Benzene
Concen: 21.700 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW010502.D
Acq: 22 May 2019 11:30

Instrument :
MSVOA_W
ClientSampled :
VW0522SBS01

Tot Ion: 91 Resp: 175903
Ion Ratio Lower Upper
91 100
106 31.6 25.9 38.9

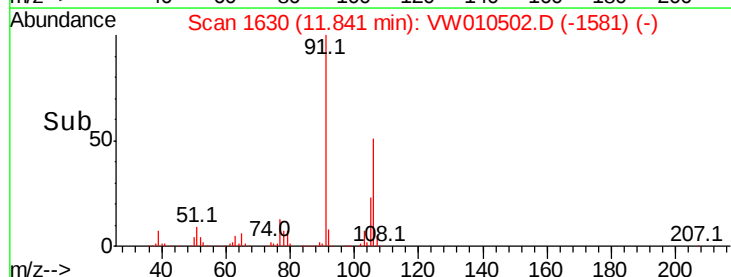
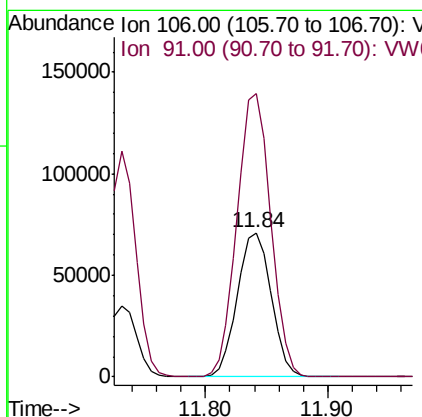
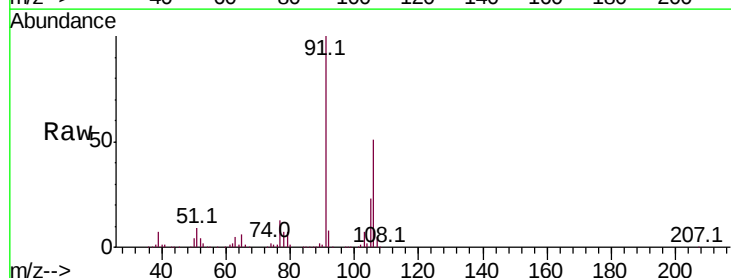
Manual Integrations
APPROVED

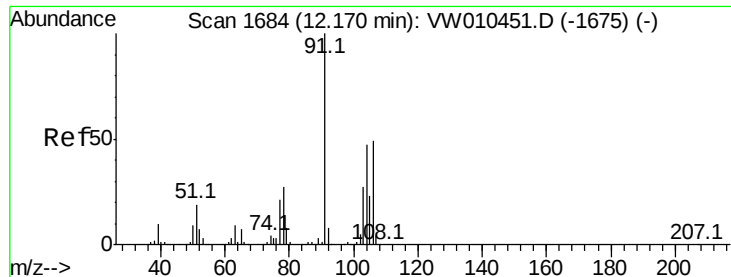
MMDadoda
5/23/2019 11:42:17 AM



#68
m/p-Xylenes
Concen: 42.889 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW010502.D
Acq: 22 May 2019 11:30

Tgt Ion:106 Resp: 136365
Ion Ratio Lower Upper
106 100
91 195.8 156.0 234.0





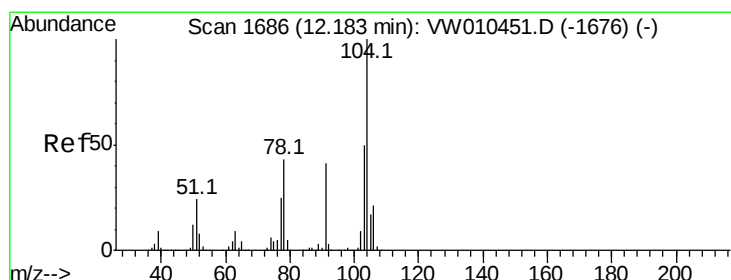
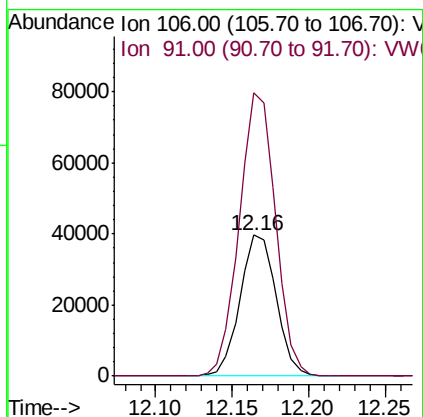
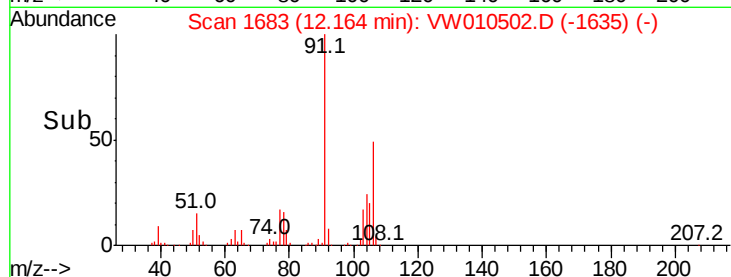
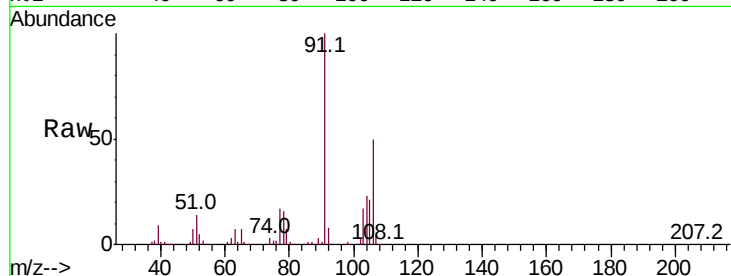
#69
o-Xylene
Concen: 21.583 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW010502.D
Acq: 22 May 2019 11:30

Instrument :
MSVOA_W
ClientSampleId :
VW0522SBS01

Tot Ion	Ratio	Lower	Upper
106	100		
91	201.6	103.2	309.4

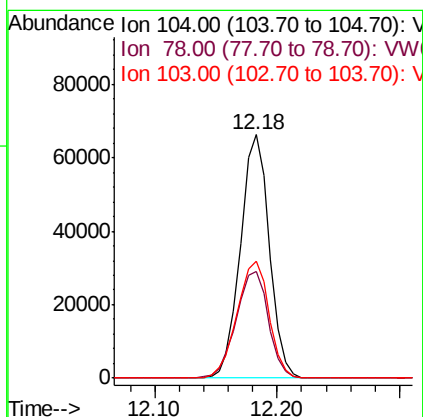
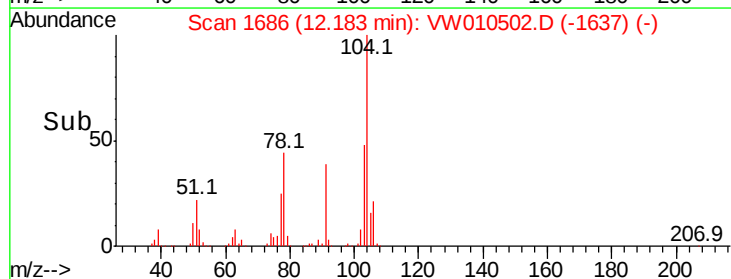
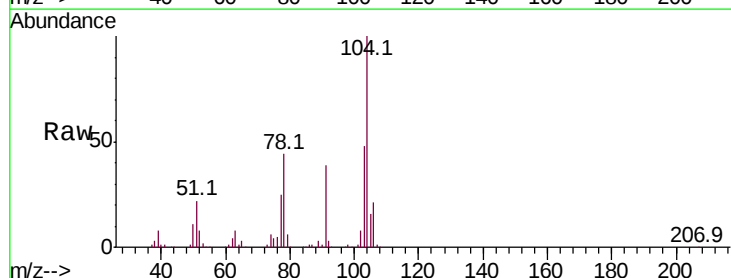
Manual Integrations
APPROVED

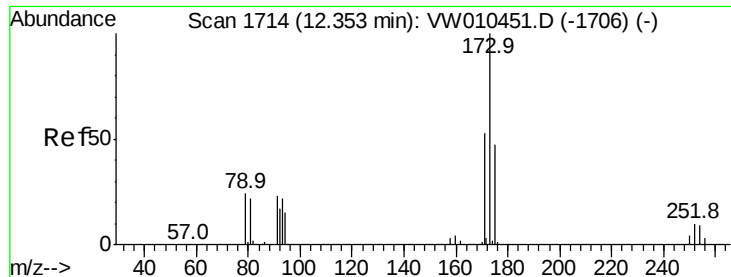
MMDadoda
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#70
Styrene
Concen: 21.259 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW010502.D
Acq: 22 May 2019 11:30

Tgt Ion	Ratio	Lower	Upper
104	100		
78	49.0	39.0	58.4
103	53.2	43.0	64.6





#71

Bromoform

Concen: 17.875 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.01 min

Lab File: VW010502.D

Acq: 22 May 2019 11:30

Instrument :

MSVOA_W

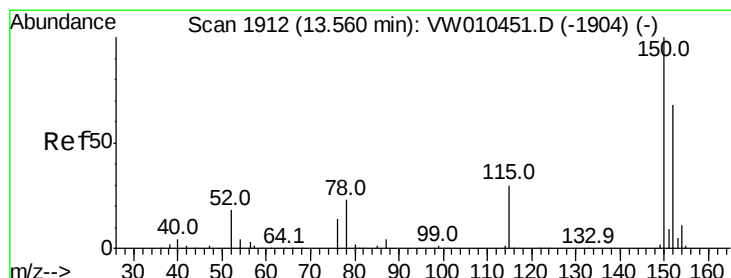
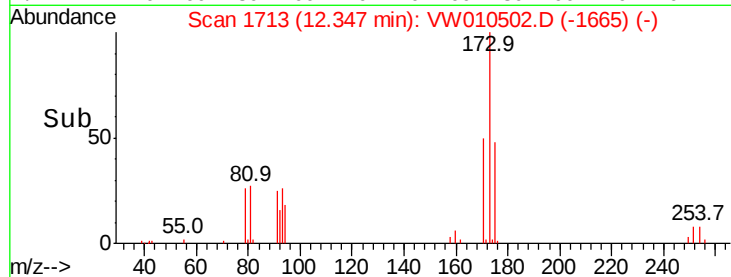
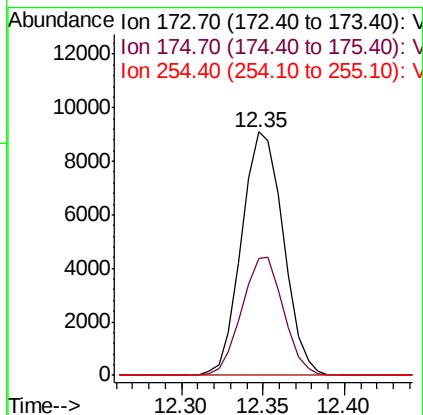
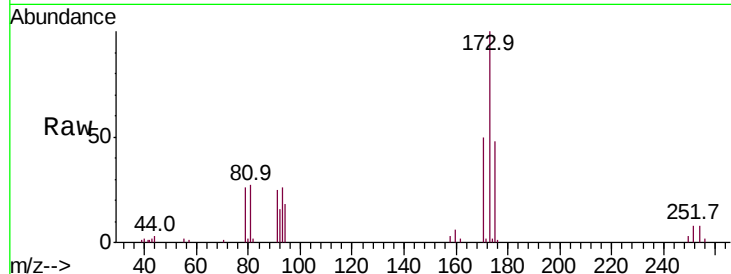
ClientSampleId :

VW0522SBS01

Tot Ion:	173	Resp:	16190
Ion Ratio	Lower	Upper	
173	100		
175	48.3	24.4	73.4
254	0.0	0.0	0.0

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

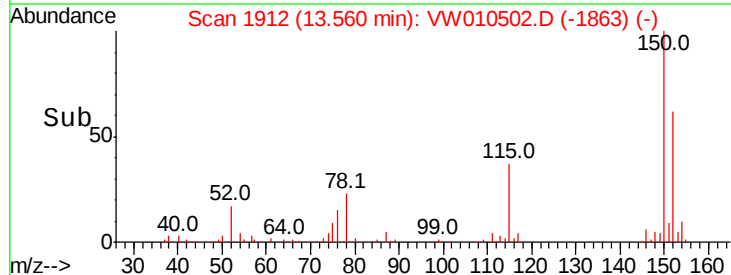
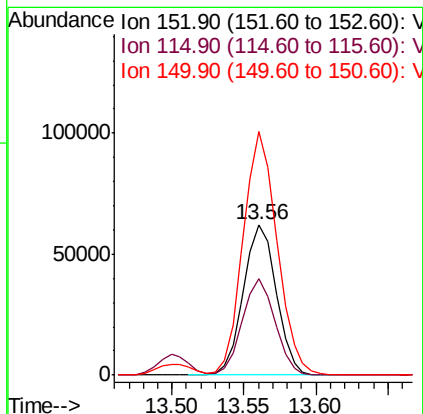
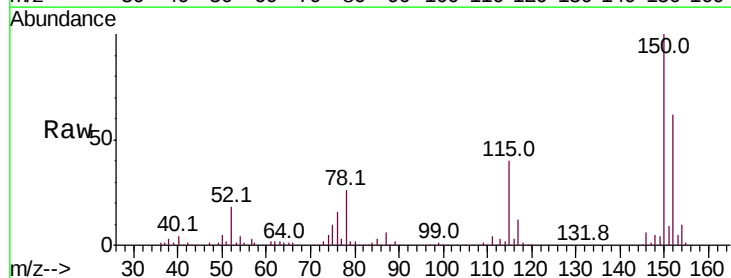
RT: 13.56 min Scan# 1912

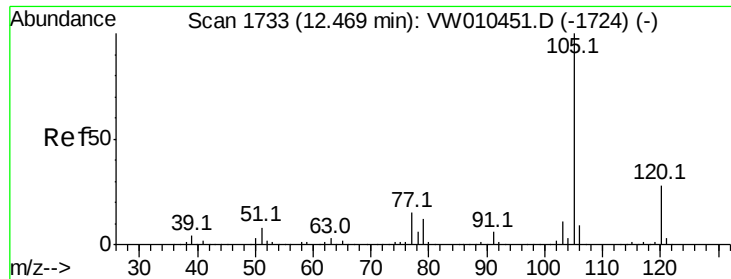
Delta R.T. 0.00 min

Lab File: VW010502.D

Acq: 22 May 2019 11:30

Tgt Ion:	152	Resp:	98465
Ion Ratio	Lower	Upper	
152	100		
115	63.5	30.3	91.0
150	167.1	0.0	349.8





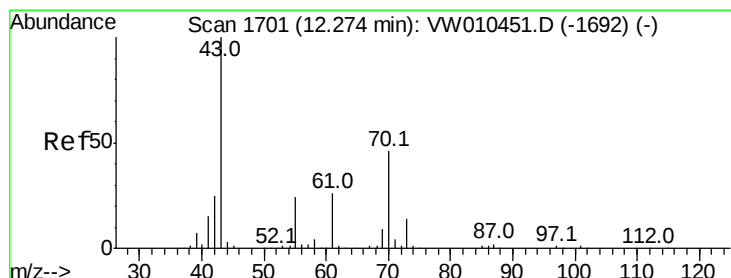
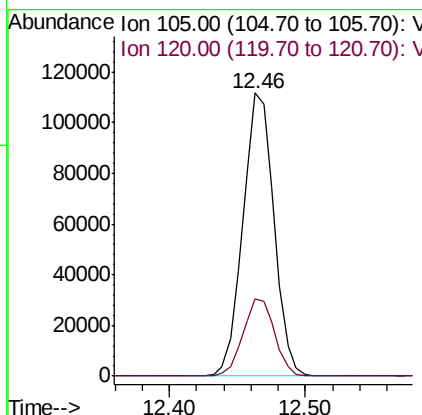
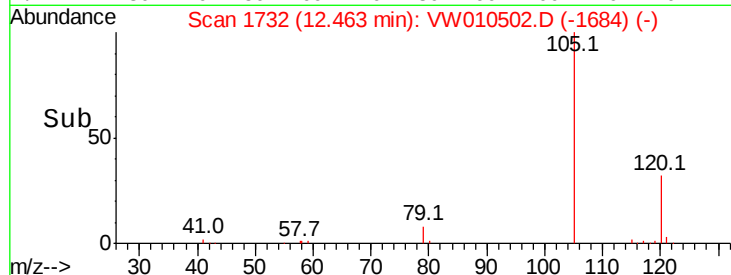
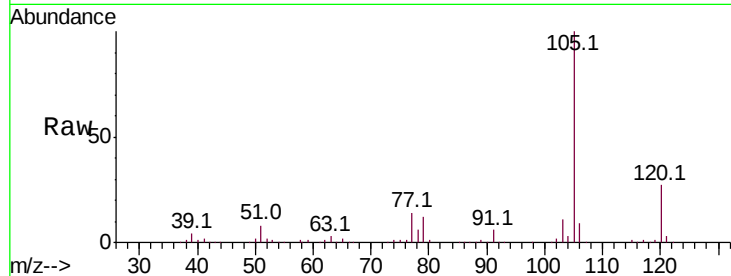
#73
Isopropylbenzene
Concen: 22.754 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. -0.01 min
Lab File: VW010502.D
Acq: 22 May 2019 11:30

Instrument :
MSVOA_W
ClientSampleId :
VW0522SBS01

Tot Ion: 105 Resp: 177789
Ion Ratio Lower Upper
105 100
120 27.6 13.9 41.7

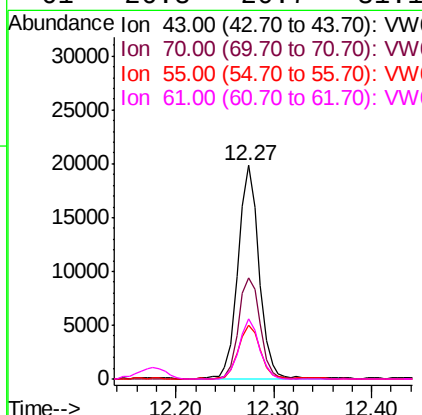
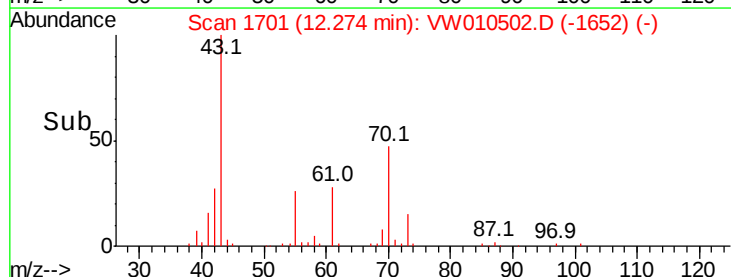
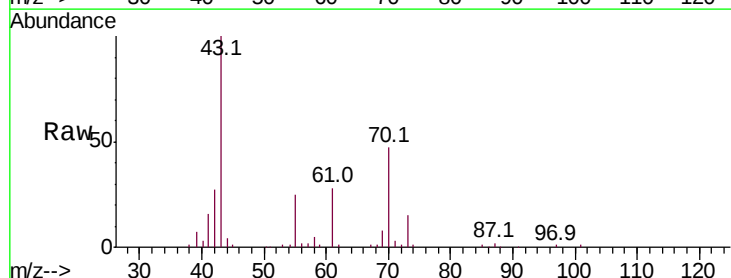
Manual Integrations
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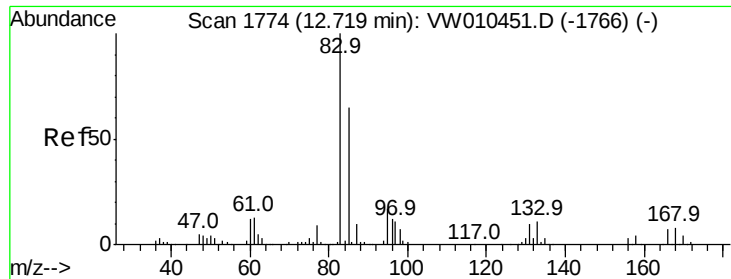
MMDadoda
5/23/2019 11:42:17 AM



#74
N-ethyl acetate
Concen: 16.747 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. 0.00 min
Lab File: VW010502.D
Acq: 22 May 2019 11:30

Tgt Ion: 43 Resp: 29986
Ion Ratio Lower Upper
43 100
70 48.0 37.1 55.7
55 25.9 19.6 29.4
61 26.8 20.7 31.1





#75

1,1,2,2-Tetrachloroethane

Concen: 18.115 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.01 min

Lab File: VW010502.D

Acq: 22 May 2019 11:30

Instrument :

MSVOA_W

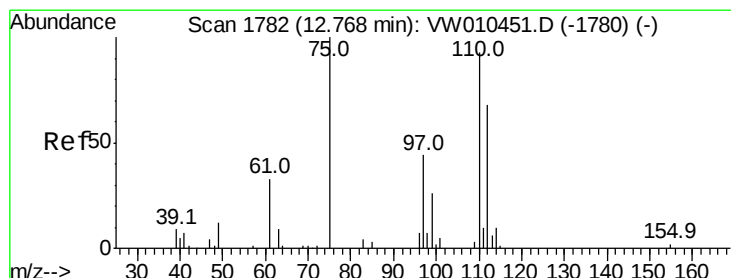
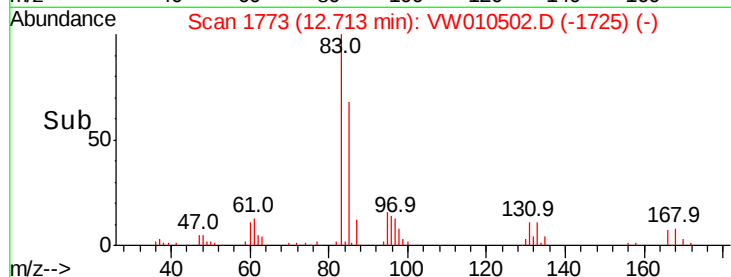
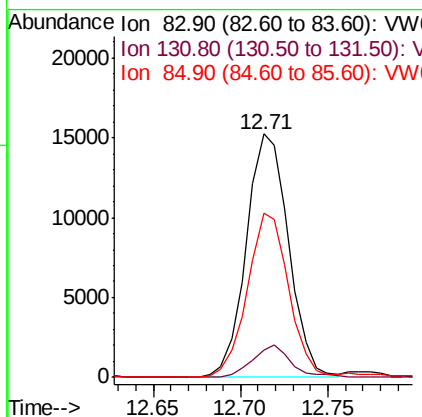
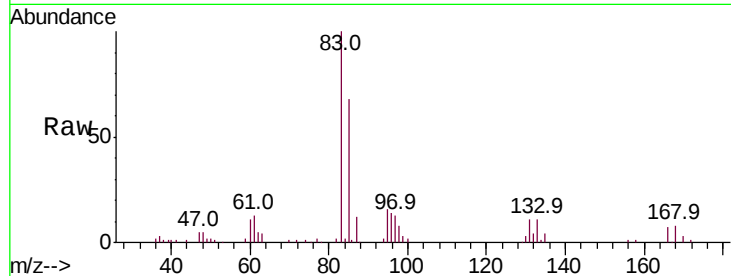
ClientSampleId :

VW0522SBS01

Tot Ion:	83	Resp:	25745
Ion Ratio	Lower	Upper	
83	100		
131	12.2	5.6	16.8
85	66.2	32.4	97.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 17.811 ug/l m

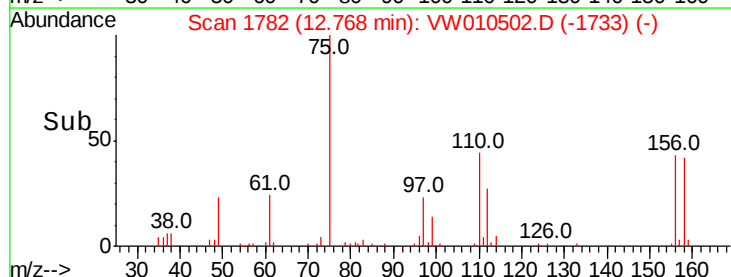
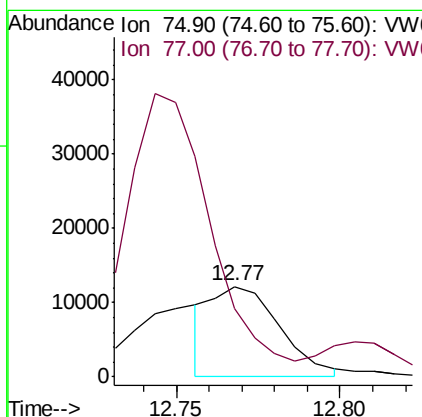
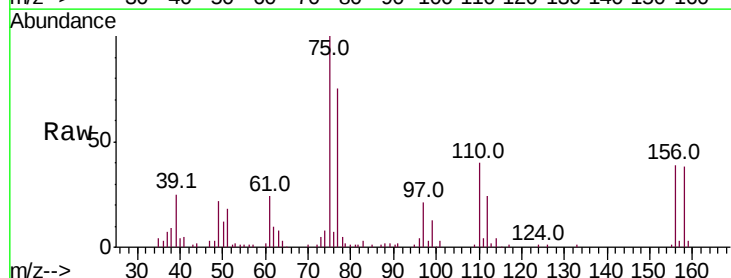
RT: 12.77 min Scan# 1782

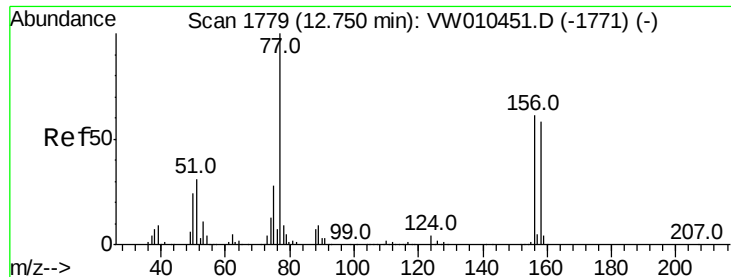
Delta R.T. 0.00 min

Lab File: VW010502.D

Acq: 22 May 2019 11:30

Tgt Ion:	75	Resp:	17802
Ion Ratio	Lower	Upper	
75	100		
77	0.0	170.0	510.1#





#77

Bromobenzene

Concen: 22.120 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW010502.D

Acq: 22 May 2019 11:30

Instrument :

MSVOA_W

ClientSampled :

VW0522SBS01

Tot Ion:156 Resp: 38678

Ion Ratio Lower Upper

156 100

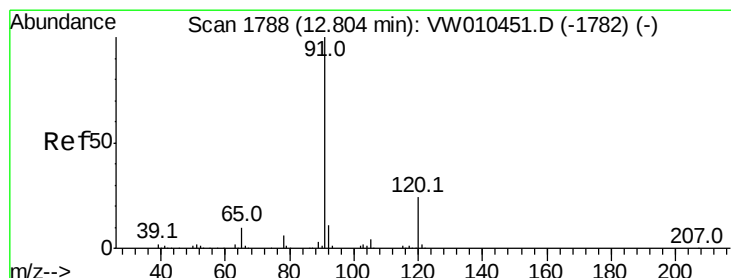
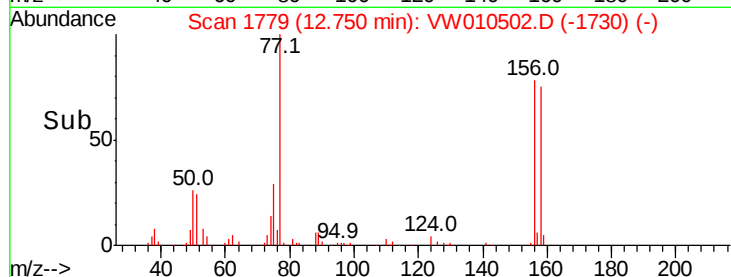
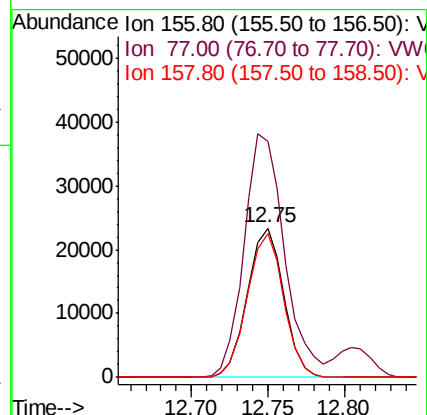
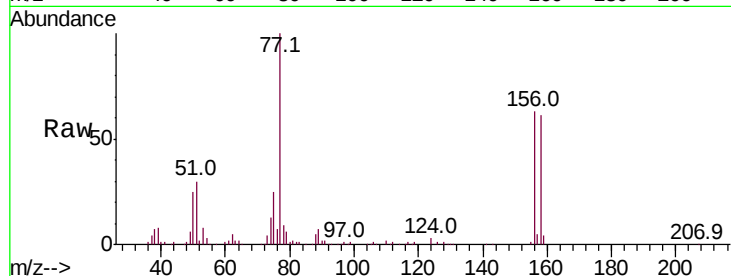
77 181.5 92.4 277.2

158 96.2 48.3 144.8

Manual Integrations
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MMDadoda

5/23/2019 11:42:17 AM



#78

n-propylbenzene

Concen: 22.221 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW010502.D

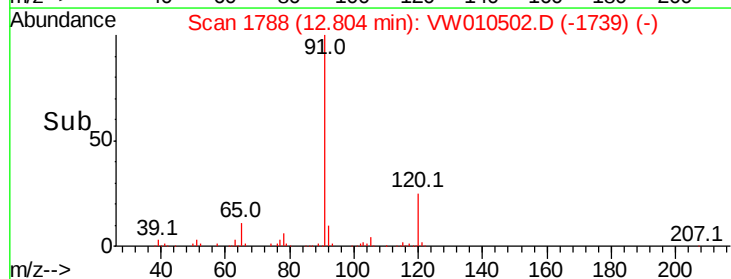
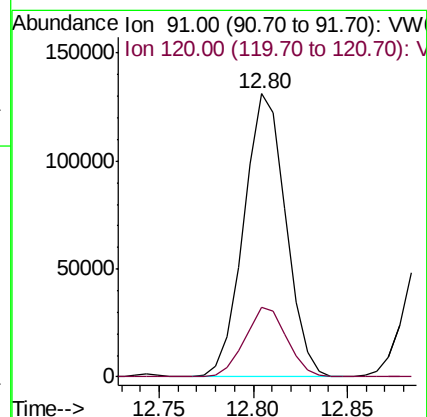
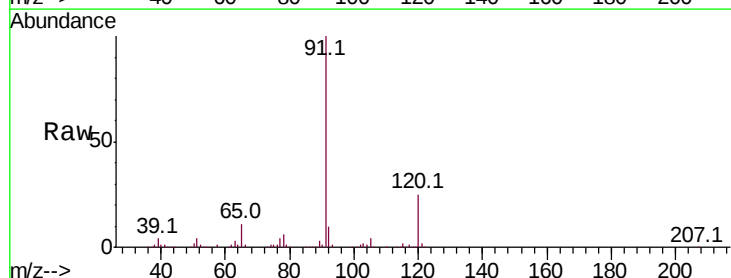
Acq: 22 May 2019 11:30

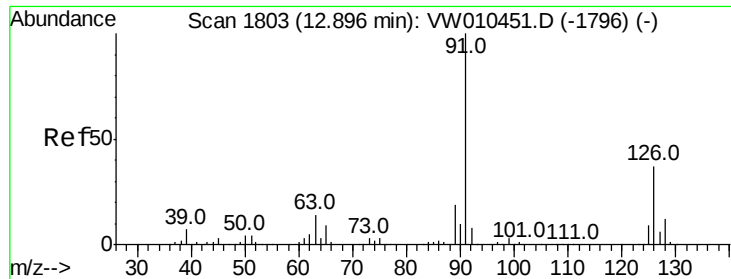
Tgt Ion: 91 Resp: 202337

Ion Ratio Lower Upper

91 100

120 24.5 12.3 36.8





#79

2-Chlorotoluene

Concen: 22.072 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW010502.D

Acq: 22 May 2019 11:30

Instrument :

MSVOA_W

ClientSampleId :

VW0522SBS01

Tot Ion: 91 Resp: 116554

Ion Ratio Lower Upper

91 100

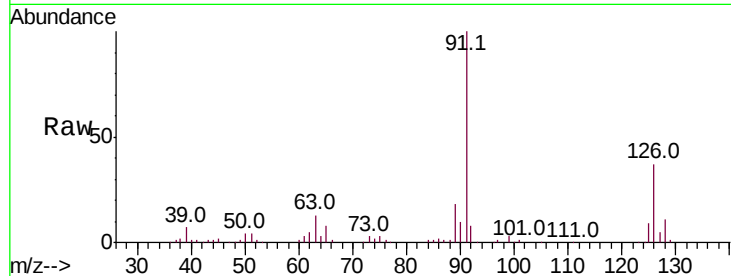
126 35.5 17.4 52.3

Manual Integrations

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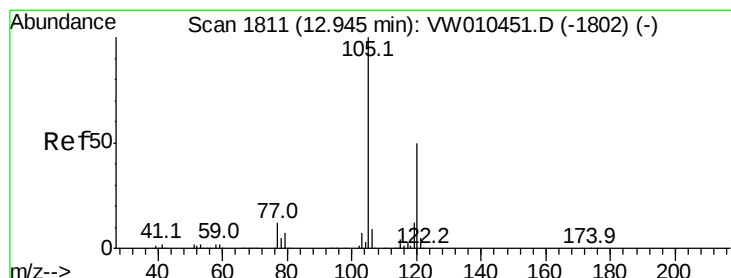
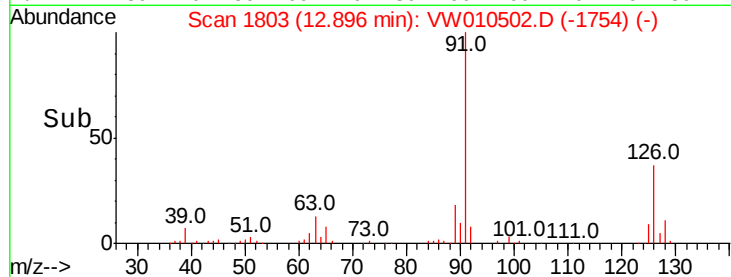
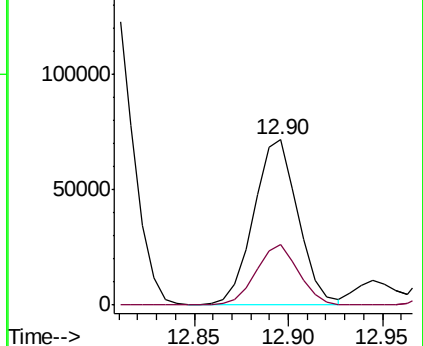
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 22.279 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW010502.D

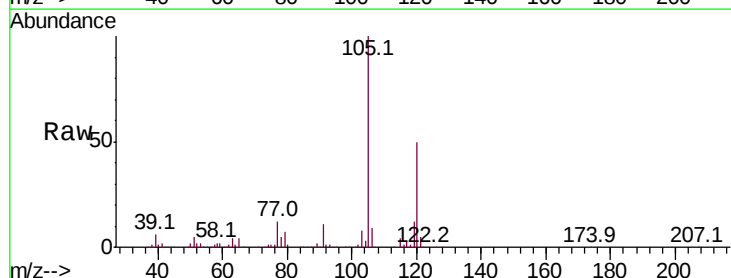
Acq: 22 May 2019 11:30

Tgt Ion:105 Resp: 147431

Ion Ratio Lower Upper

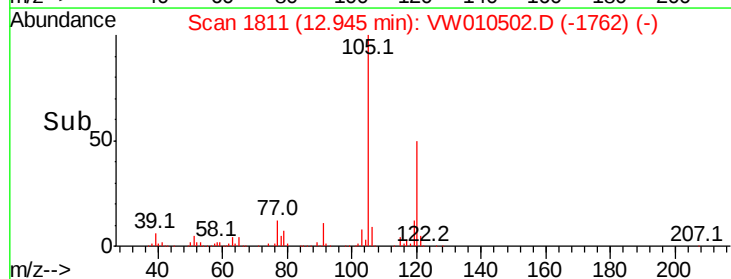
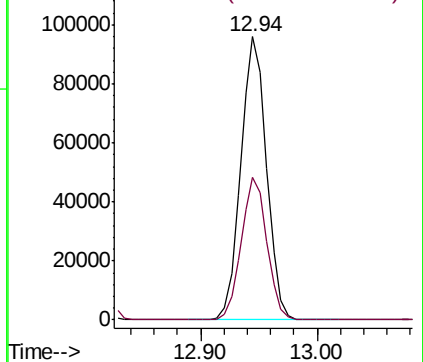
105 100

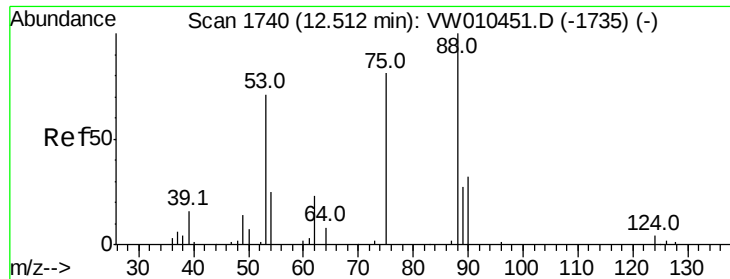
120 50.1 25.2 75.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





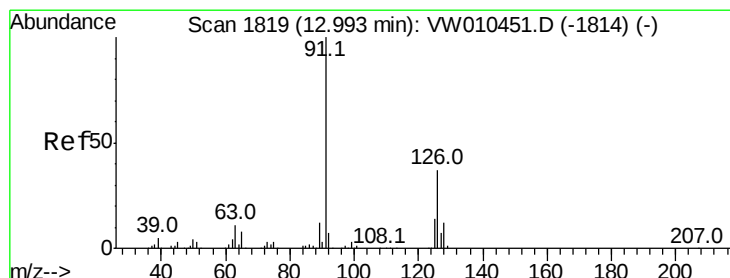
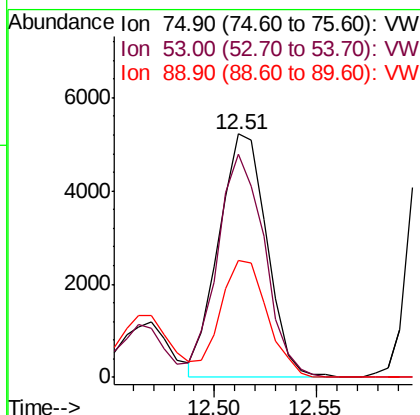
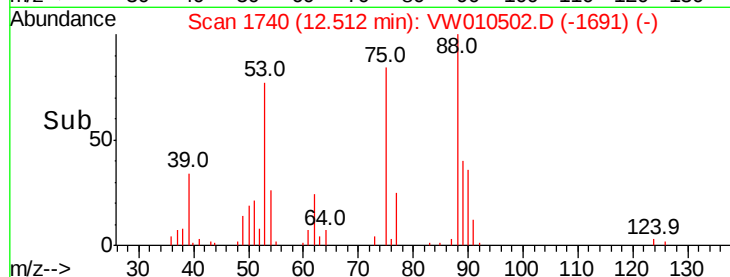
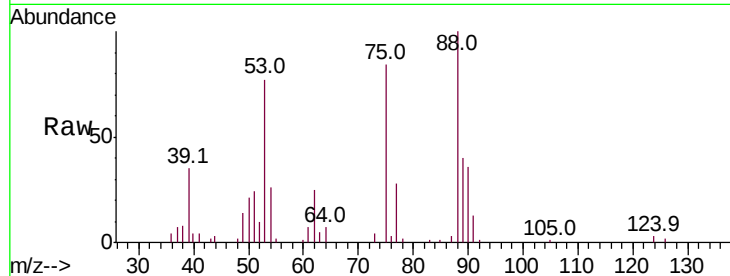
#81
trans-1,4-Dichloro-2-butene
Concen: 17.820 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW010502.D
Acq: 22 May 2019 11:30

Instrument :
MSVOA_W
ClientSampleId :
VW0522SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	91.2	69.8	104.8
89	47.2	39.5	59.3

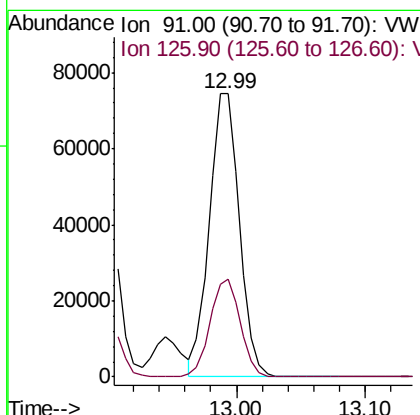
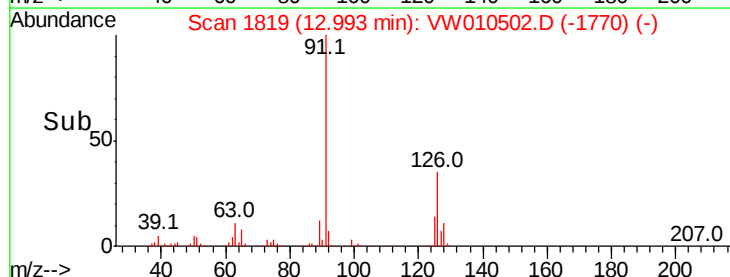
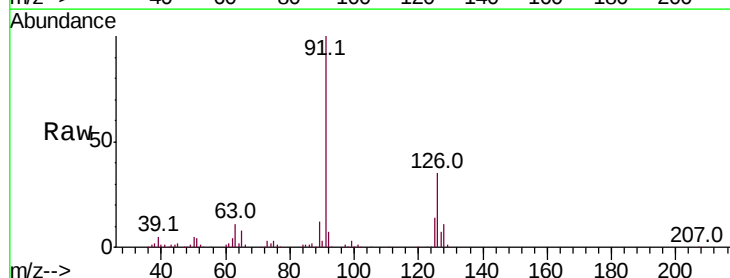
Manual Integrations
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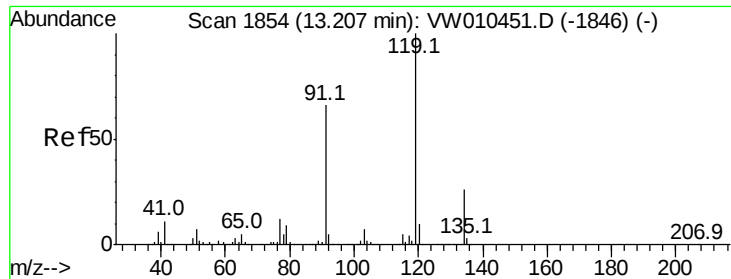
MMDadoda
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#82
4-Chlorotoluene
Concen: 22.244 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. 0.00 min
Lab File: VW010502.D
Acq: 22 May 2019 11:30

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.6	17.5	52.6





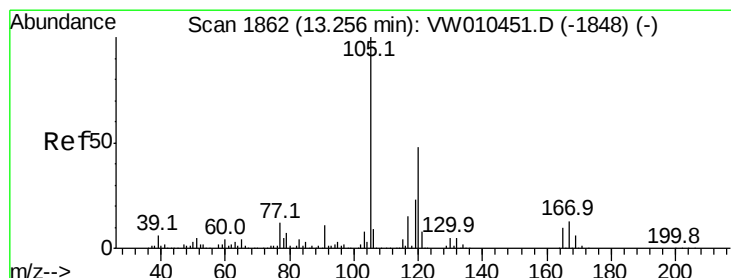
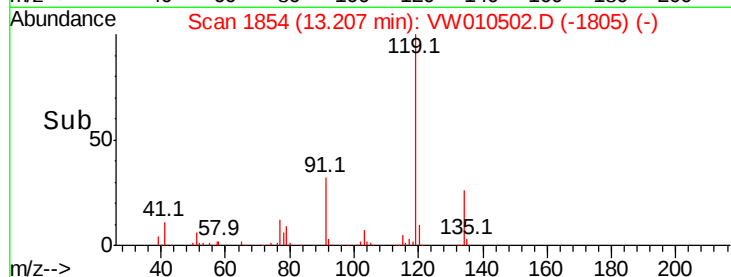
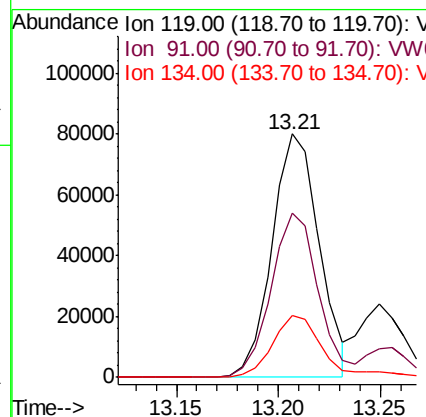
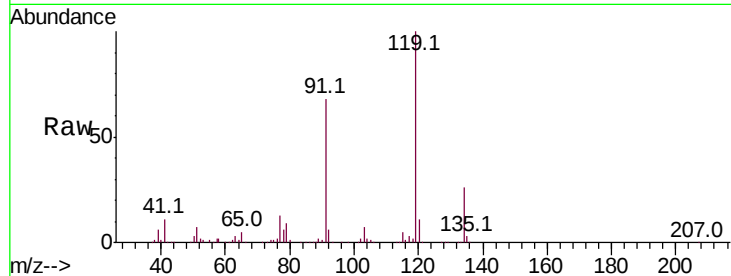
#83
 tert-Butylbenzene
 Concen: 22.336 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VW010502.D
 Acq: 22 May 2019 11:30

Instrument :
 MSVOA_W
 ClientSampleID :
 VW0522SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	129115		
91	67.6	33.1	99.5	
134	27.5	13.9	41.6	

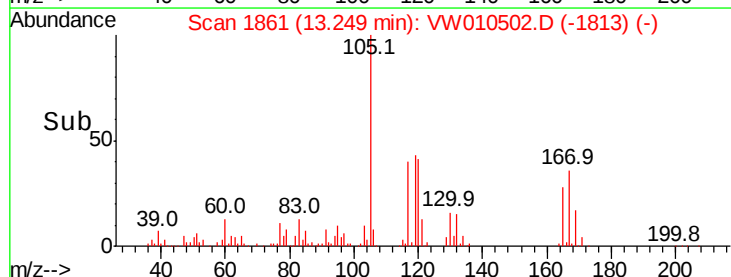
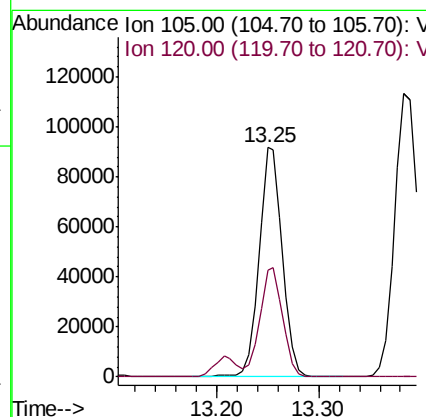
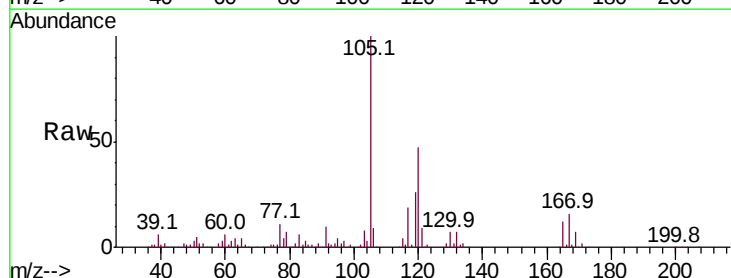
Manual Integrations
 APPROVED

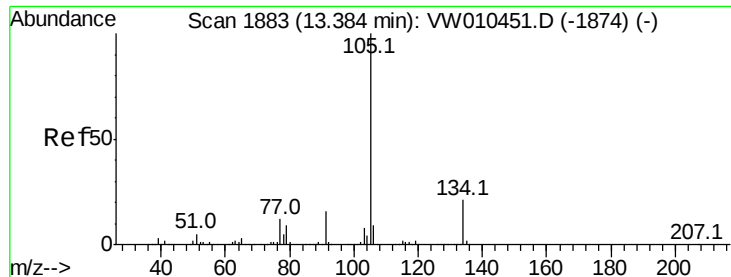
MMDadoda
 5/23/2019 11:42:17 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 22.103 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.01 min
 Lab File: VW010502.D
 Acq: 22 May 2019 11:30

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	145677		
120	47.0	23.4	70.2	





#85

sec-Butylbenzene

Concen: 22.390 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW010502.D

Acq: 22 May 2019 11:30

Instrument :

MSVOA_W

ClientSampleId :

VW0522SBS01

Tot Ion:105 Resp: 181126

Ion Ratio Lower Upper

105 100

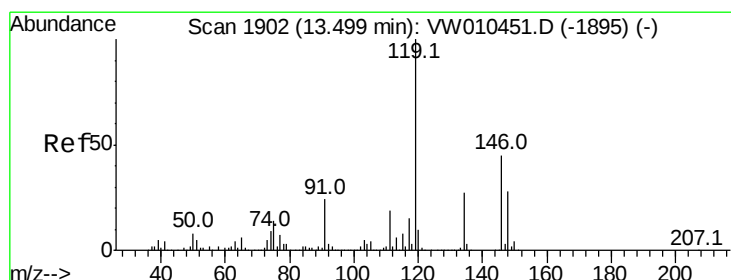
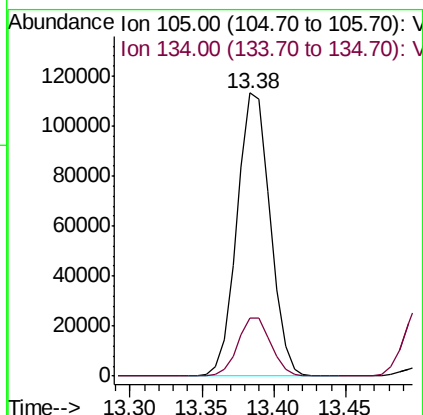
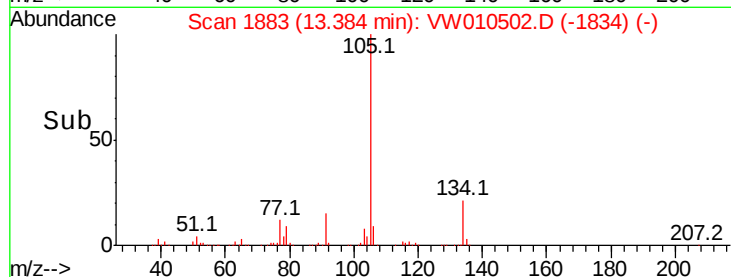
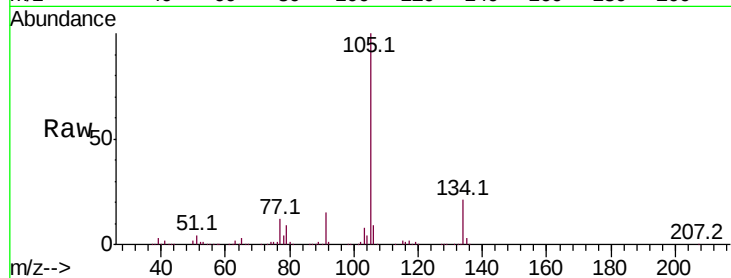
134 20.6 10.5 31.6

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 22.352 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW010502.D

Acq: 22 May 2019 11:30

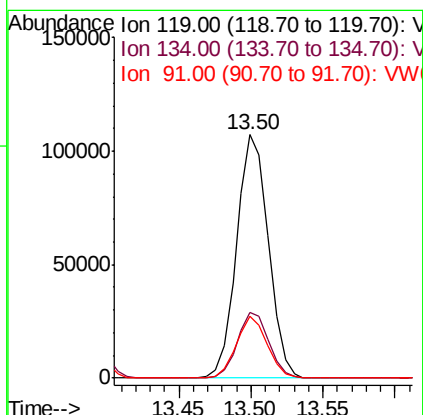
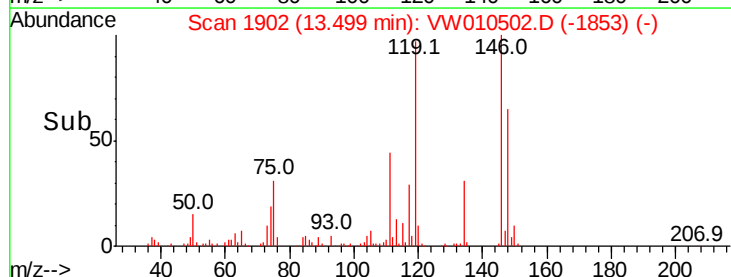
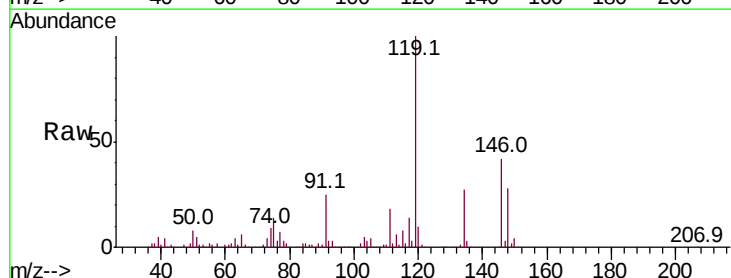
Tgt Ion:119 Resp: 163662

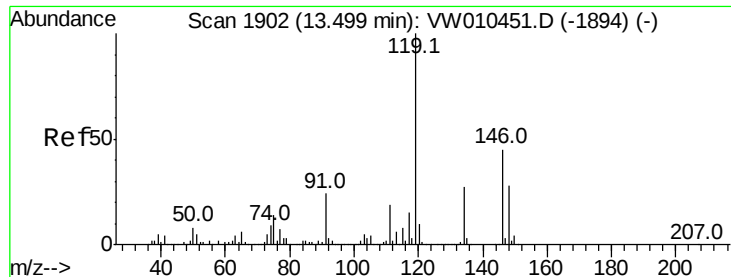
Ion Ratio Lower Upper

119 100

134 27.0 13.6 40.7

91 24.6 11.9 35.7





#87

1,3-Dichlorobenzene

Concen: 21.723 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW010502.D

Acq: 22 May 2019 11:30

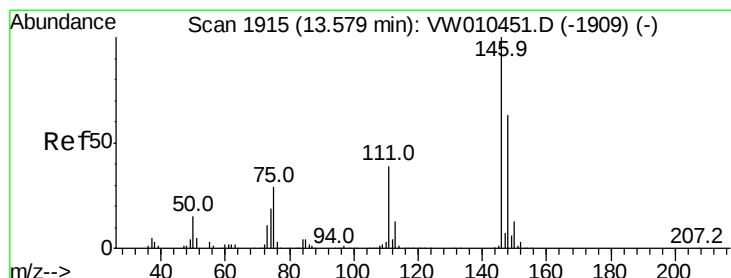
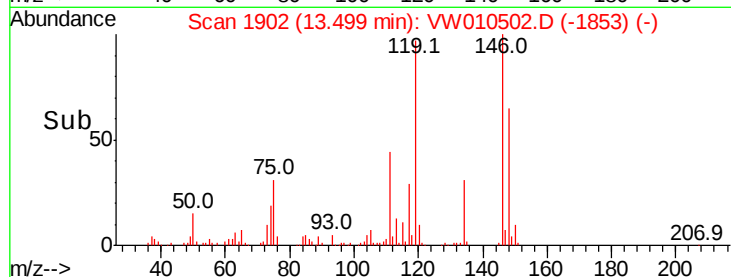
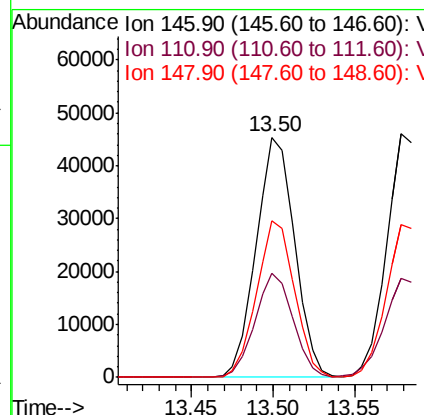
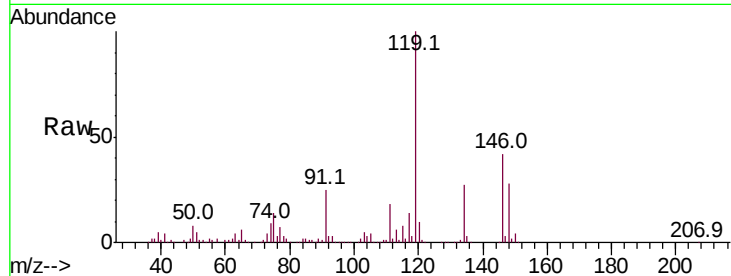
Instrument :
MSVOA_W

ClientSampleId :
VW0522SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.7	20.3	60.9
148	64.1	31.6	94.8

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 21.477 ug/l

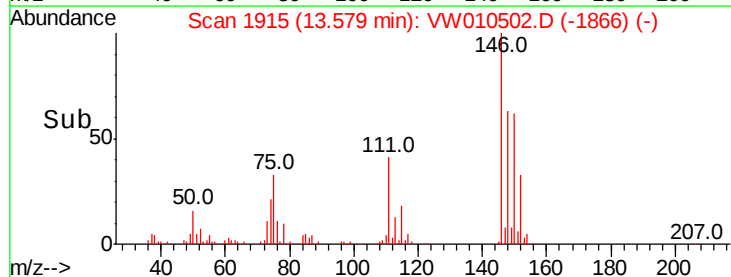
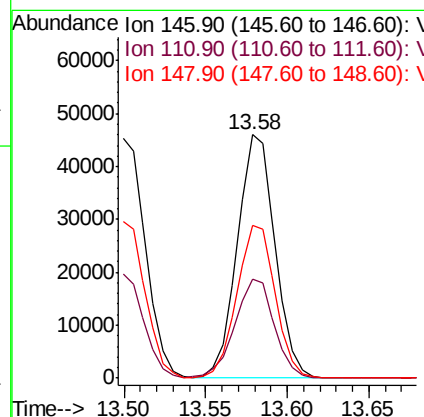
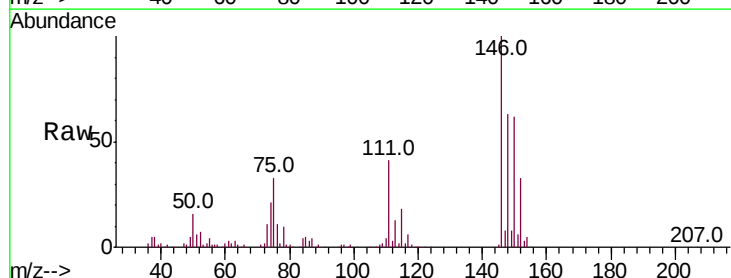
RT: 13.58 min Scan# 1915

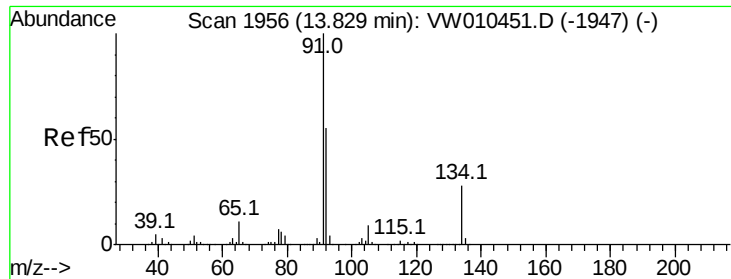
Delta R.T. 0.00 min

Lab File: VW010502.D

Acq: 22 May 2019 11:30

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.4	19.9	59.6
148	64.0	31.6	94.8





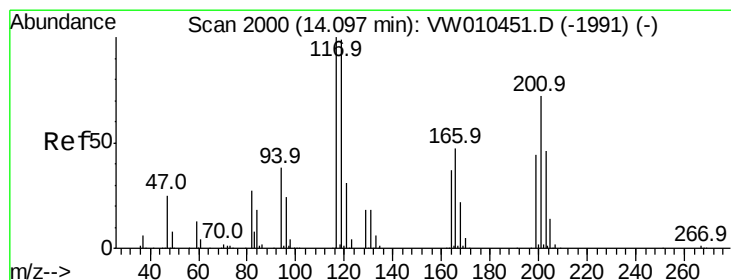
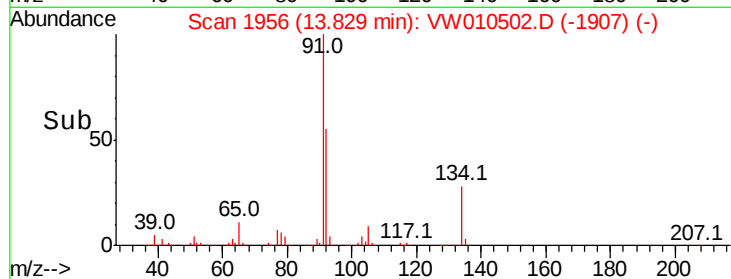
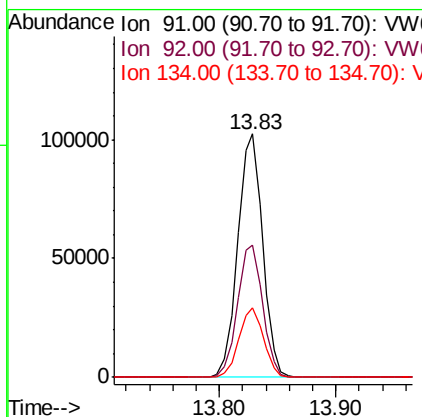
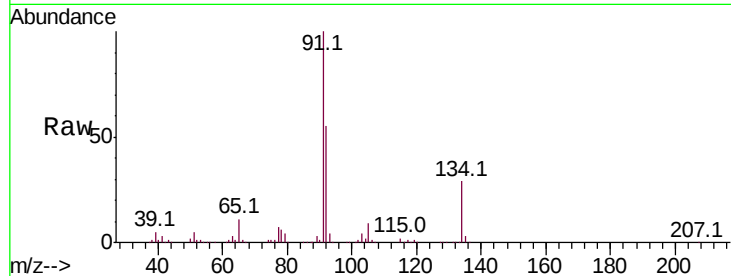
#89
n-Butylbenzene
Concen: 21.914 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VW010502.D
Acq: 22 May 2019 11:30

Instrument :
MSVOA_W
ClientSampled :
VW0522SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	54.9	27.7	83.1	
134	28.4	13.9	41.6	

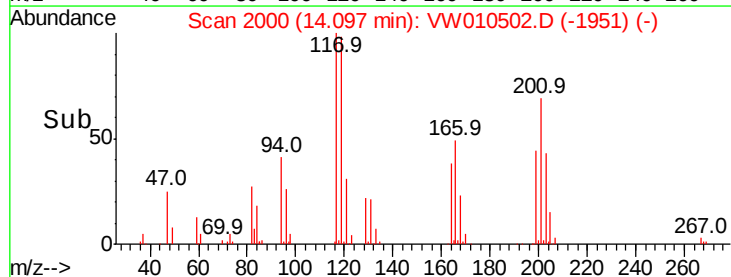
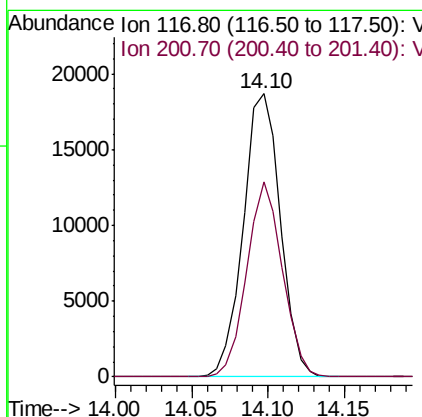
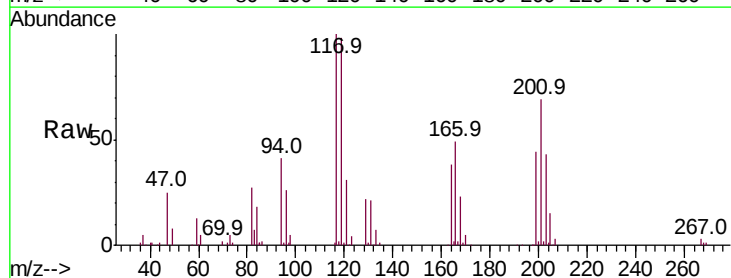
Manual Integrations
APPROVED

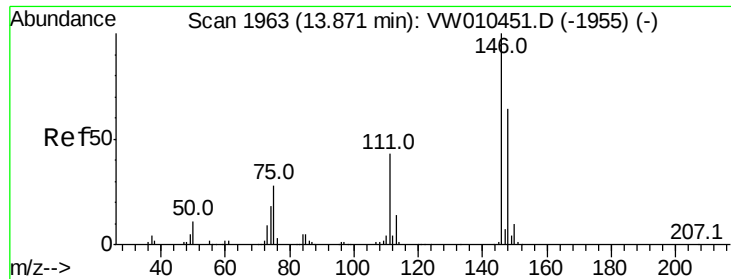
MMDadoda
5/23/2019 11:42:17 AM



#90
Hexachloroethane
Concen: 22.245 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW010502.D
Acq: 22 May 2019 11:30

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	66.1	34.6	103.8	





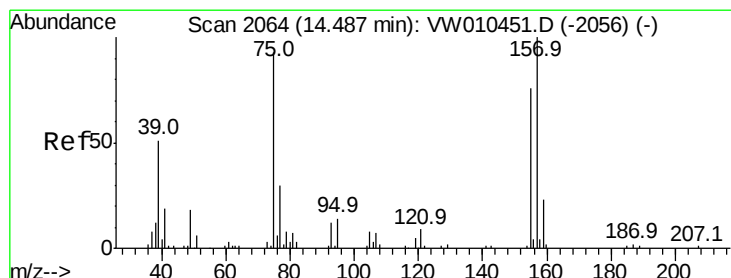
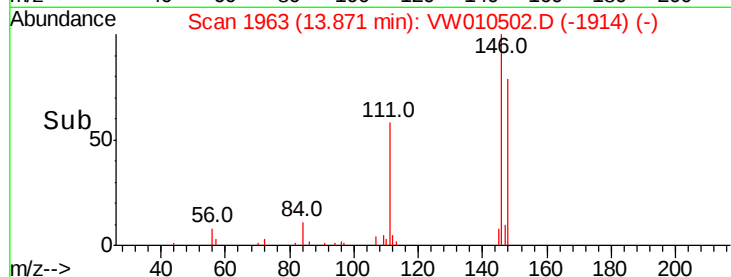
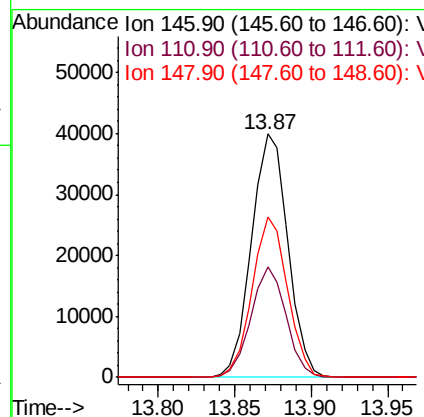
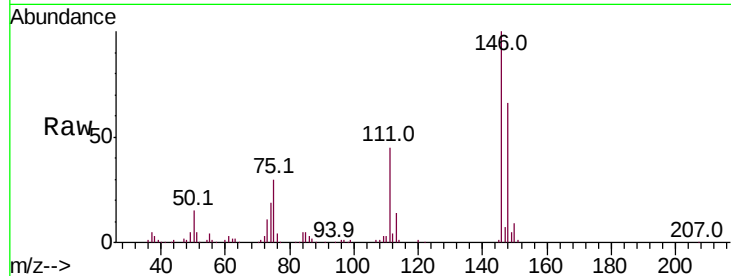
#91
 1,2-Dichlorobenzene
 Concen: 21.159 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW010502.D
 Acq: 22 May 2019 11:30

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0522SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.7	21.3	64.0
148	64.1	32.0	96.0

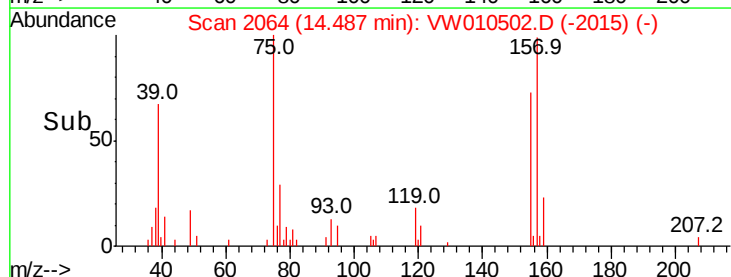
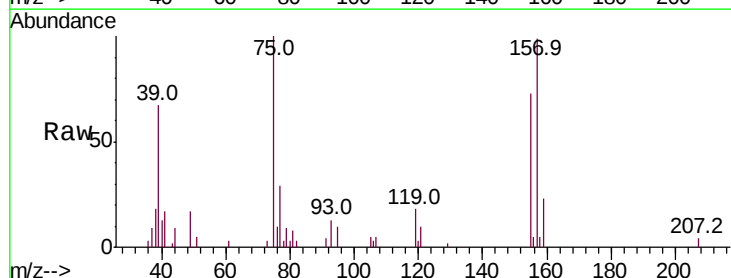
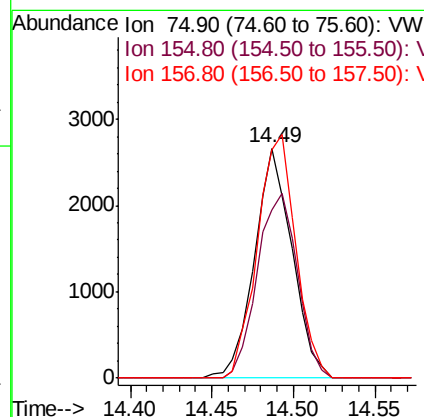
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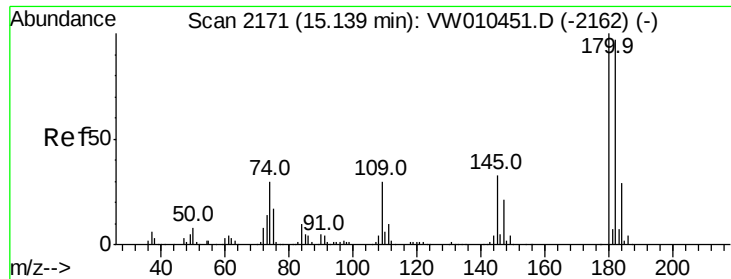
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 16.204 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW010502.D
 Acq: 22 May 2019 11:30

Tgt Ion	Ratio	Lower	Upper
75	100		
155	85.3	43.0	129.0
157	107.9	55.7	167.1





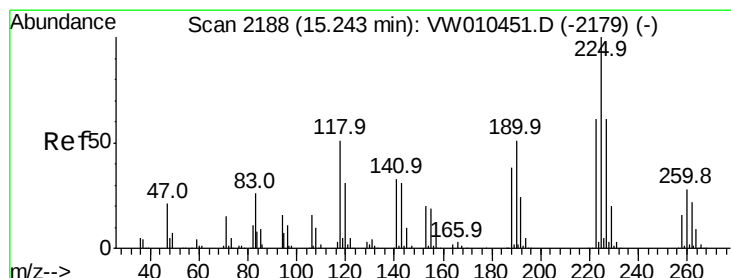
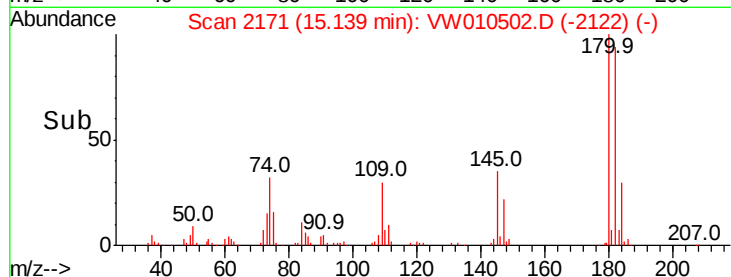
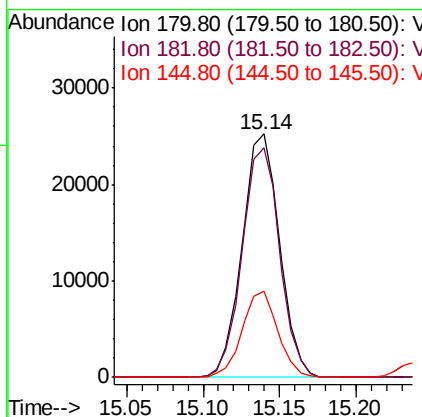
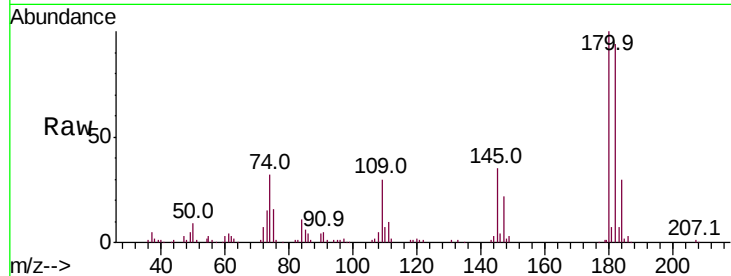
#93
 1,2,4-Trichlorobenzene
 Concen: 20.145 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW010502.D
 Acq: 22 May 2019 11:30

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0522SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	94.8	47.0	141.2	
145	33.8	16.7	50.0	

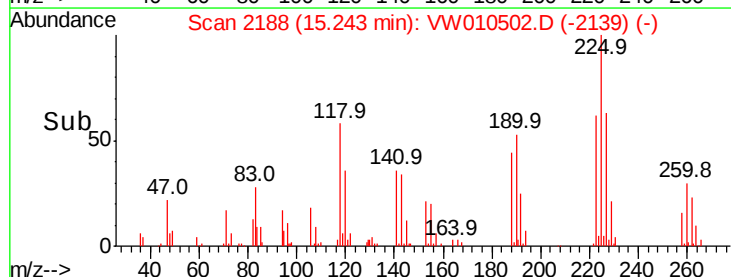
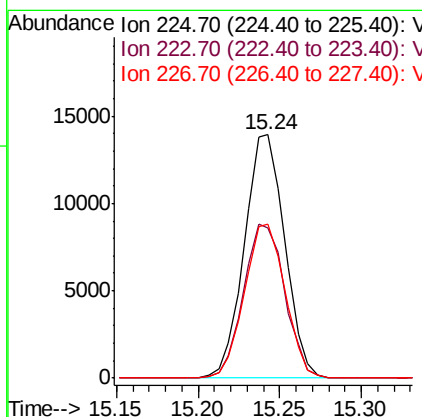
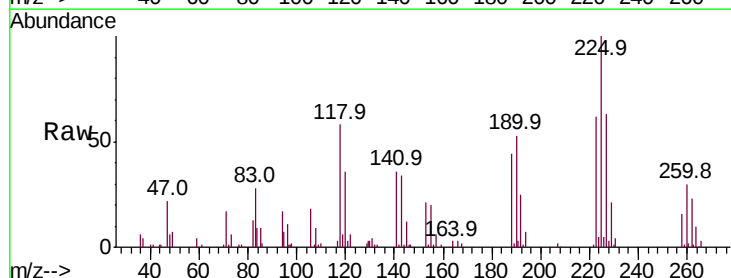
Manual Integrations
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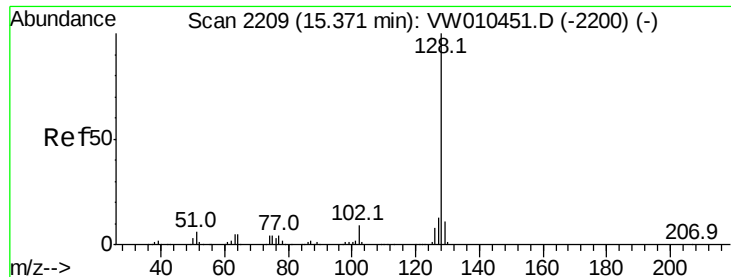
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 5/23/2019 11:42:17 AM



#94
 Hexachlorobutadiene
 Concen: 21.157 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW010502.D
 Acq: 22 May 2019 11:30

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	64.5	31.1	93.2	
227	63.7	31.1	93.5	





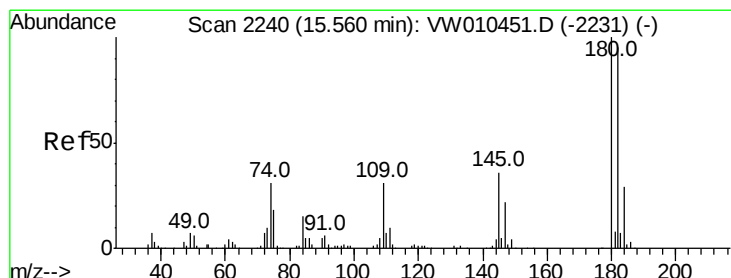
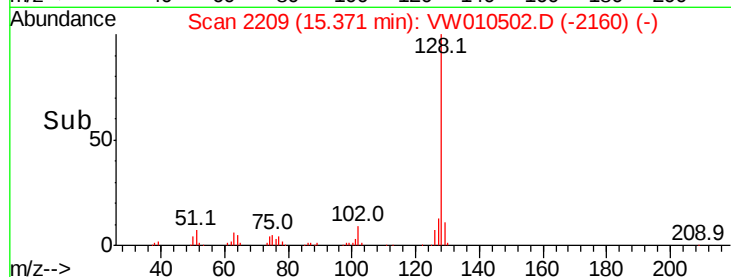
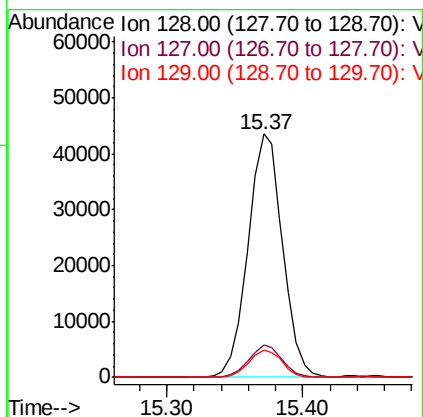
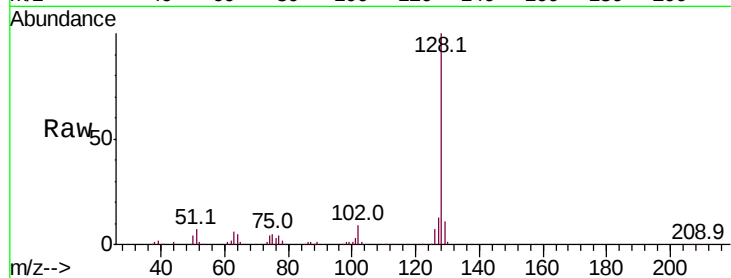
#95
Naphthalene
Concen: 17.348 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW010502.D
Acq: 22 May 2019 11:30

Instrument :
MSVOA_W
ClientSampleId :
VW0522SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.6	15.8
129	11.0	8.9	13.3

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 19.564 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW010502.D
Acq: 22 May 2019 11:30

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.3	47.1	141.3
145	35.5	17.4	52.3

