

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW052419\
 Data File : VW010547.D
 Acq On : 24 May 2019 13:42
 Operator : SY/VA
 Sample : VW0524SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0524SBS01

Manual Integrations
 APPROVED

MMDadoda
 5/28/2019 12:01:21 PM

Quant Time: May 25 01:54:35 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	142449	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	245395	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	217788	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	104190	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	71660	48.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.48%	
35) Dibromofluoromethane	7.88	113	76136	51.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.26%	
50) Toluene-d8	10.32	98	290056	50.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.98%	
62) 4-Bromofluorobenzene	12.62	95	111620	49.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.52%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	21186	16.507	ug/l	97
3) Chloromethane	2.21	50	23954	16.005	ug/l	97
4) Vinyl Chloride	2.36	62	27322	15.760	ug/l	94
5) Bromomethane	2.75	94	20749	17.397	ug/l	100
6) Chloroethane	2.91	64	19414	17.445	ug/l	96
7) Trichlorofluoromethane	3.25	101	50723	19.818	ug/l	99
8) Diethyl Ether	3.68	74	17133	21.117	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.05	101	32521	20.632	ug/l	98
10) Methyl Iodide	4.27	142	30059	16.684	ug/l	98
11) Tert butyl alcohol	5.18	59	17849	134.960	ug/l #	90
12) 1,1-Dichloroethene	4.03	96	29963	19.914	ug/l	96
13) Acrolein	3.89	56	8352	94.501	ug/l	98
14) Allyl chloride	4.67	41	41977	19.274	ug/l	98
15) Acrylonitrile	5.37	53	30671	90.265	ug/l	98
16) Acetone	4.12	43	29047	96.783	ug/l	97
17) Carbon Disulfide	4.38	76	80767	17.997	ug/l	100
18) Methyl Acetate	4.67	43	15120	20.599	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	77099	20.100	ug/l	99
20) Methylene Chloride	4.92	84	40901	20.204	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	35164	20.375	ug/l	96
22) Diisopropyl ether	6.31	45	89112	19.954	ug/l	100
23) Vinyl Acetate	6.26	43	256507	96.155	ug/l	99
24) 1,1-Dichloroethane	6.21	63	55095	20.674	ug/l	98
25) 2-Butanone	7.17	43	44703	104.080	ug/l	100
26) 2,2-Dichloropropane	7.17	77	57731	22.742	ug/l	96
27) cis-1,2-Dichloroethene	7.17	96	39374	20.985	ug/l	96
28) Bromochloromethane	7.51	49	18618	19.512	ug/l	92
29) Tetrahydrofuran	7.53	42	26120	89.872	ug/l	97
30) Chloroform	7.67	83	60412	21.016	ug/l	97
31) Cyclohexane	7.95	56	54288	19.447	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	56676	20.628	ug/l	99
36) 1,1-Dichloropropene	8.08	75	47732	20.880	ug/l	99
37) Ethyl Acetate	7.26	43	18351	18.878	ug/l	99
38) Carbon Tetrachloride	8.07	117	50963	20.666	ug/l	98

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Quant Time: May 25 01:54:35 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)
39) Methylcyclohexane	9.34	83	62540	20.420	ug/l	97
40) Benzene	8.32	78	132365	20.833	ug/l	99
41) Methacrylonitrile	7.48	41	11220	19.425	ug/l	91
42) 1,2-Dichloroethane	8.40	62	37546	20.675	ug/l	100
43) Isopropyl Acetate	8.43	43	35926	18.499	ug/l	99
44) Trichloroethene	9.09	130	40178	21.300	ug/l	97
45) 1,2-Dichloropropane	9.37	63	30854	20.447	ug/l	99
46) Dibromomethane	9.46	93	18572	21.045	ug/l	99
47) Bromodichloromethane	9.65	83	45173	20.369	ug/l	99
48) Methyl methacrylate	9.44	41	16270	18.312	ug/l	95
49) 1,4-Dioxane	9.45	88	4692	325.469	ug/l #	92
51) 4-Methyl-2-Pentanone	10.21	43	91469	92.948	ug/l	99
52) Toluene	10.39	92	89461	20.966	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	45130	20.093	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	52772	20.573	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	26837	21.148	ug/l	97
56) Ethyl methacrylate	10.65	69	32814	18.749	ug/l	99
57) 1,3-Dichloropropane	10.93	76	44030	20.713	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	74245	95.773	ug/l	99
59) 2-Hexanone	10.97	43	64005	91.176	ug/l	99
60) Dibromochloromethane	11.13	129	32799	20.422	ug/l	98
61) 1,2-Dibromoethane	11.24	107	26475	20.595	ug/l	99
64) Tetrachloroethene	10.86	164	31909	21.018	ug/l	99
65) Chlorobenzene	11.66	112	99538	21.445	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	35508	21.355	ug/l	99
67) Ethyl Benzene	11.73	91	172859	21.094	ug/l	99
68) m/p-Xylenes	11.84	106	134636	41.887	ug/l	100
69) o-Xylene	12.16	106	63862	20.970	ug/l	100
70) Styrene	12.18	104	107784	20.860	ug/l	99
71) Bromoform	12.35	173	17377	18.978	ug/l #	96
73) Isopropylbenzene	12.46	105	175209	21.192	ug/l	100
74) N-amyl acetate	12.27	43	32941	17.387	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	29494	19.613	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	23900m	22.598	ug/l	
77) Bromobenzene	12.75	156	40132	21.691	ug/l	98
78) n-propylbenzene	12.80	91	198714	20.624	ug/l	100
79) 2-Chlorotoluene	12.90	91	117231	20.981	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	146378	20.904	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	8776	17.318	ug/l	97
82) 4-Chlorotoluene	12.99	91	121886	21.016	ug/l	100
83) tert-Butylbenzene	13.21	119	127819	20.897	ug/l	100
84) 1,2,4-Trimethylbenzene	13.26	105	145773	20.902	ug/l	99
85) sec-Butylbenzene	13.38	105	177155	20.696	ug/l	99
86) p-Isopropyltoluene	13.50	119	161173	20.803	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	76988	21.209	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	77632	21.316	ug/l	98
89) n-Butylbenzene	13.83	91	147853	20.063	ug/l	100
90) Hexachloroethane	14.10	117	30111	20.079	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	69156	20.909	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	4839	17.305	ug/l	98

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ALS Vial : 6 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Manual Integrations
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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)
93) 1,2,4-Trichlorobenzene	15.14	180	44114	19.603	ug/l	99
94) Hexachlorobutadiene	15.24	225	23886	19.869	ug/l	96
95) Naphthalene	15.37	128	86313	18.272	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	38193	19.724	ug/l	99

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

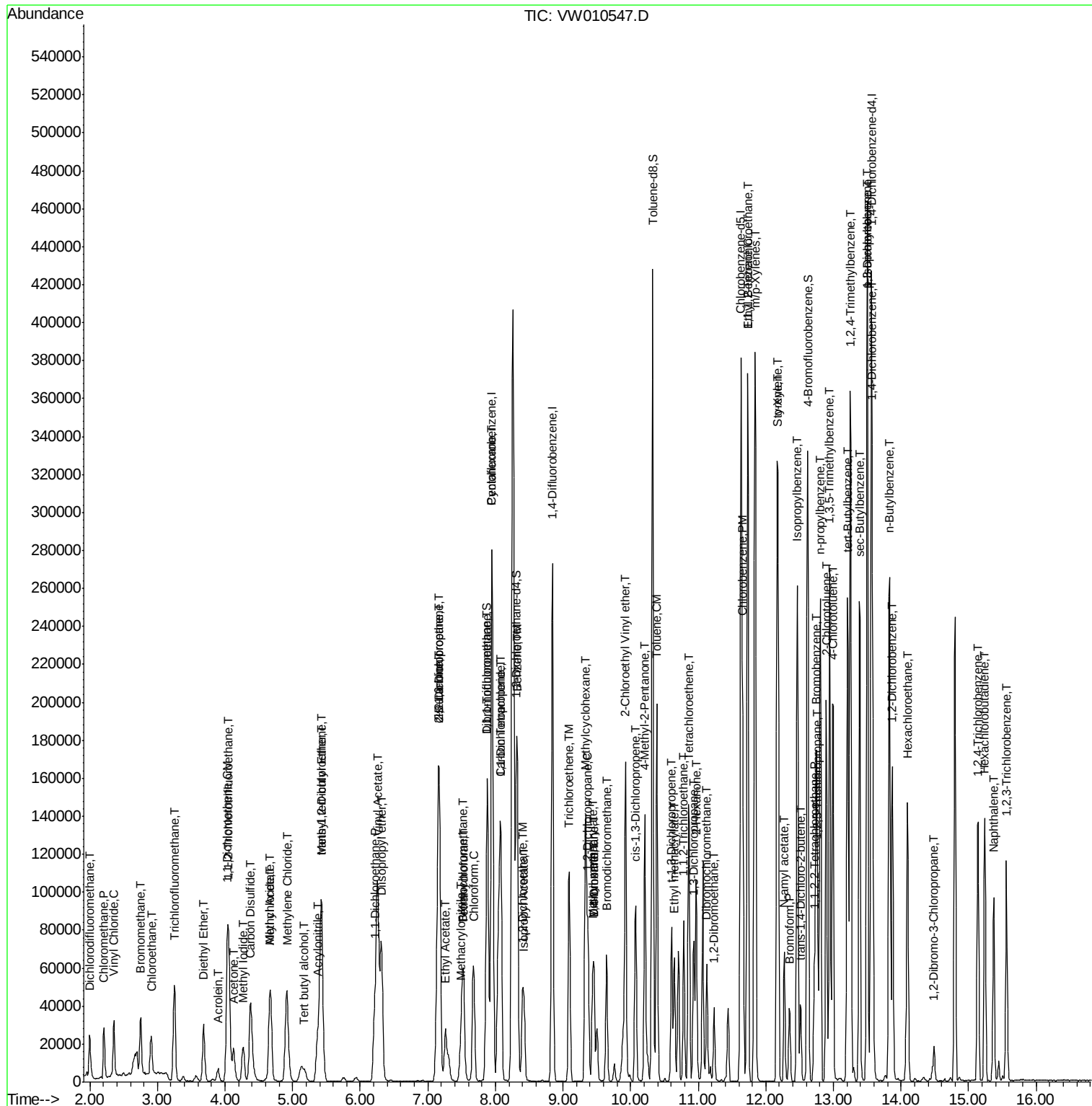
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 Data File : VW010547.D
 Acq On : 24 May 2019 13:42
 Operator : SY/VA
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 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

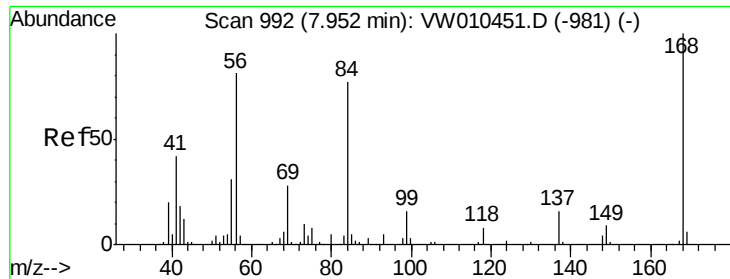
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0524SBSD01

Manual Integrations
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 Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW010547.D

Acq: 24 May 2019 13:42

Instrument :

MSVOA_W

ClientSampled :

VW0524SBS01

Tot Ion:168 Resp: 142449

Ion Ratio Lower Upper

168 100

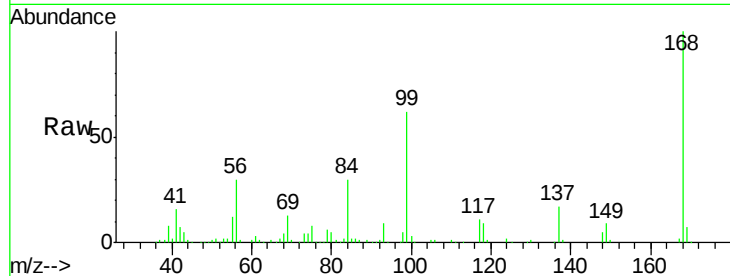
99 62.3 46.1 69.1

Manual Integrations

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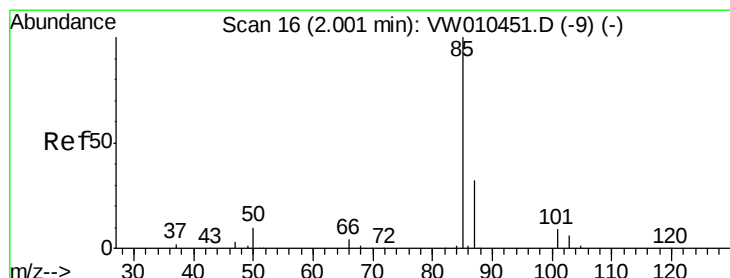
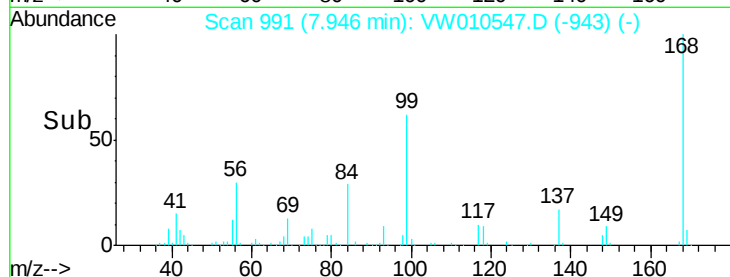
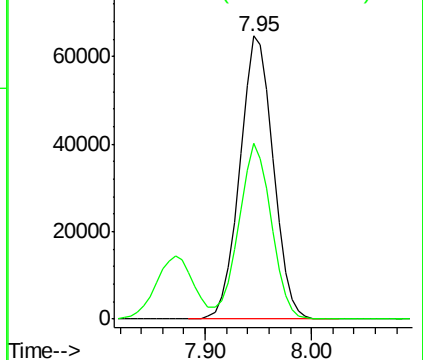
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 16.507 ug/l

RT: 2.00 min Scan# 15

Delta R.T. -0.01 min

Lab File: VW010547.D

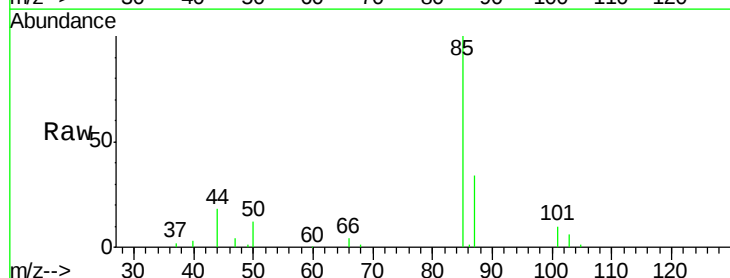
Acq: 24 May 2019 13:42

Tgt Ion: 85 Resp: 21186

Ion Ratio Lower Upper

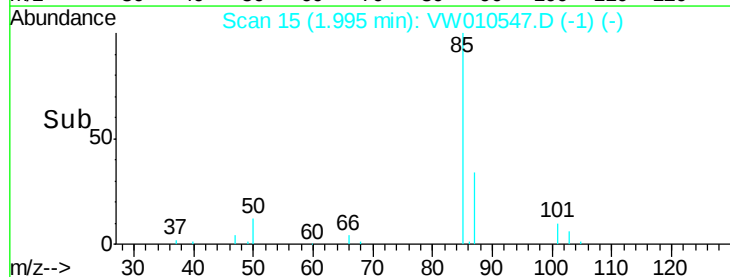
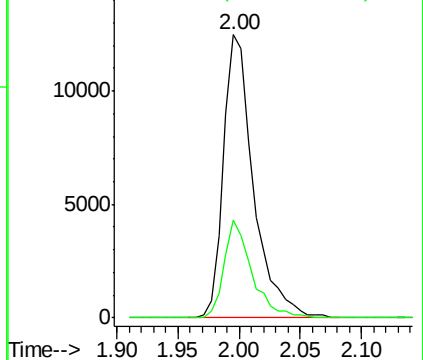
85 100

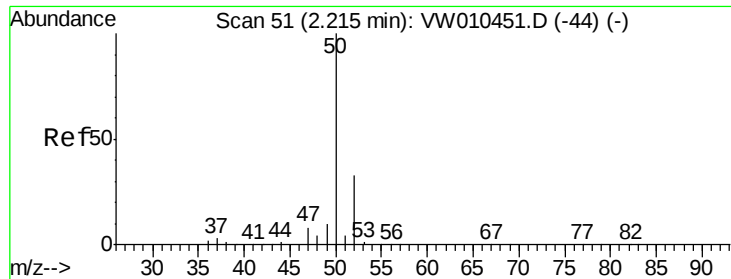
87 34.4 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 16.005 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW010547.D

Acq: 24 May 2019 13:42

Instrument :

MSVOA_W

ClientSampleId :

VW0524SBSD01

Tot Ion: 50 Resp: 23954

Ion Ratio Lower Upper

50 100

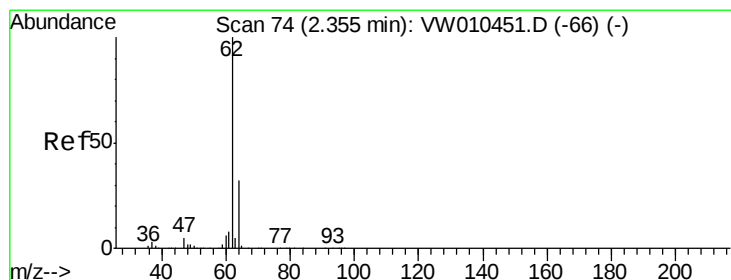
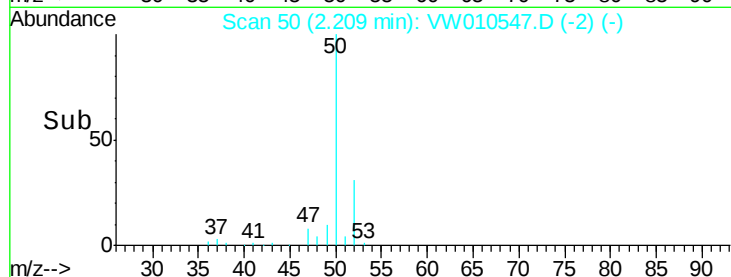
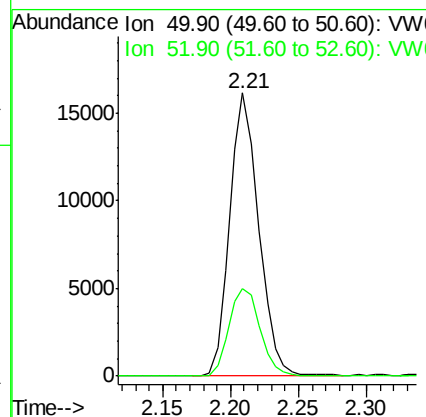
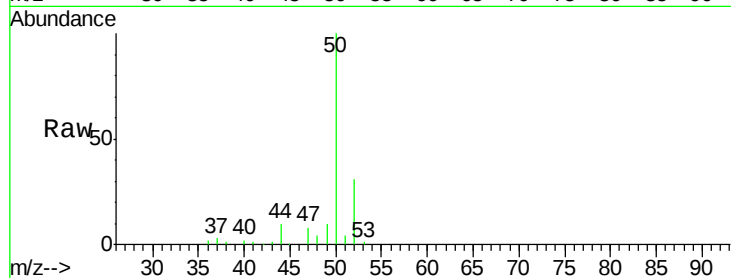
52 30.9 26.3 39.5

Manual Integrations

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#4

Vinyl Chloride

Concen: 15.760 ug/l

RT: 2.36 min Scan# 74

Delta R.T. 0.00 min

Lab File: VW010547.D

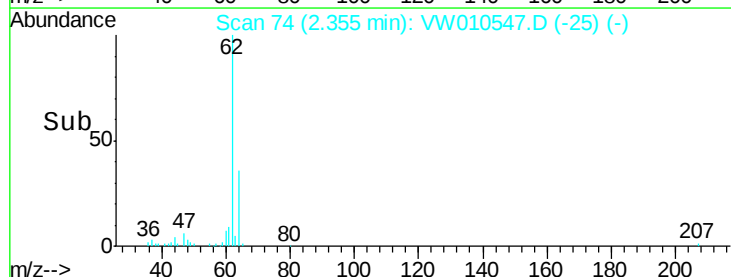
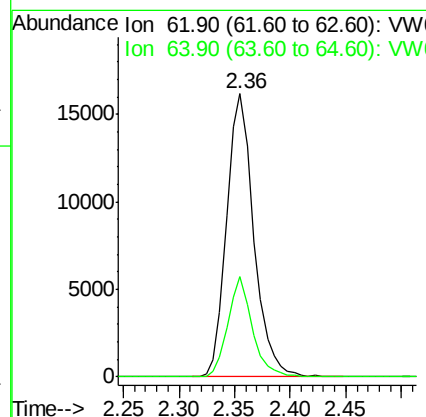
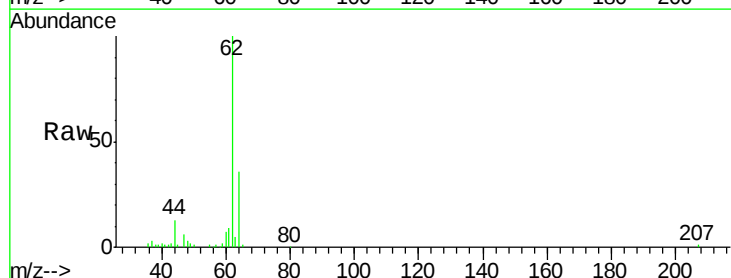
Acq: 24 May 2019 13:42

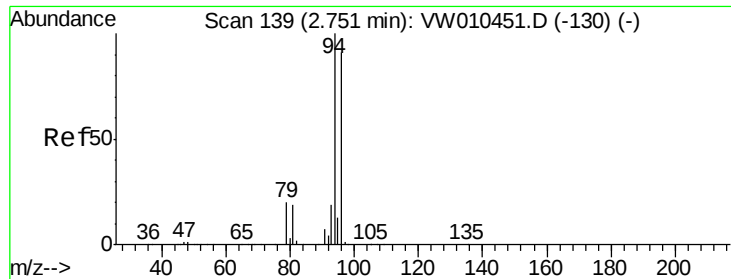
Tgt Ion: 62 Resp: 27322

Ion Ratio Lower Upper

62 100

64 35.7 25.8 38.8





#5

Bromomethane

Concen: 17.397 ug/l

RT: 2.75 min Scan# 138

Delta R.T. -0.01 min

Lab File: VW010547.D

Acq: 24 May 2019 13:42

Instrument :

MSVOA_W

ClientSampleId :

VW0524SBSD01

Tot Ion: 94 Resp: 20749

Ion Ratio Lower Upper

94 100

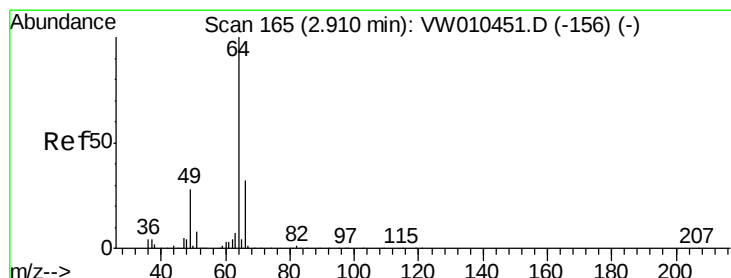
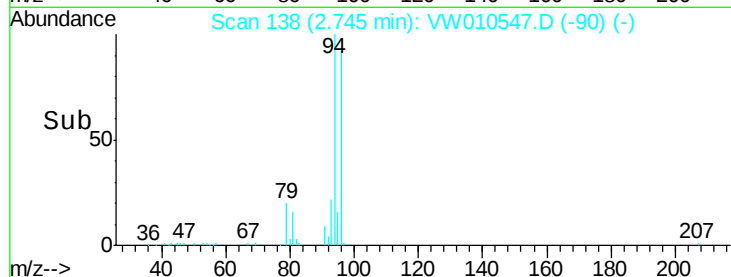
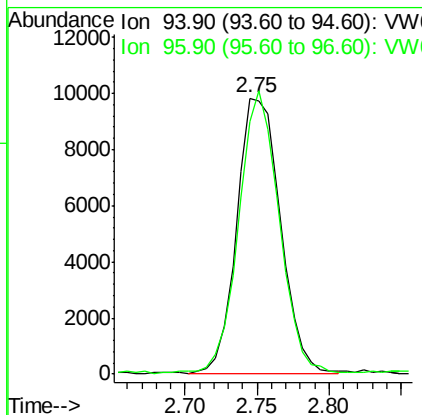
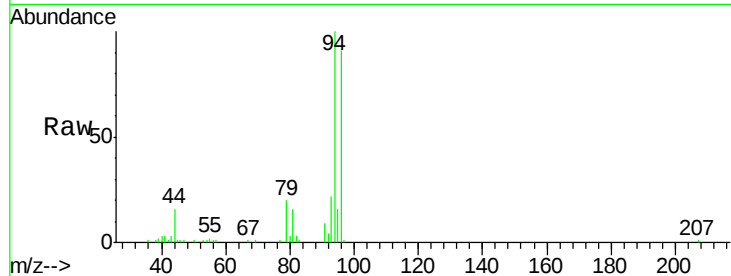
96 90.8 72.9 109.3

Manual Integrations

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#6

Chloroethane

Concen: 17.445 ug/l

RT: 2.91 min Scan# 165

Delta R.T. 0.00 min

Lab File: VW010547.D

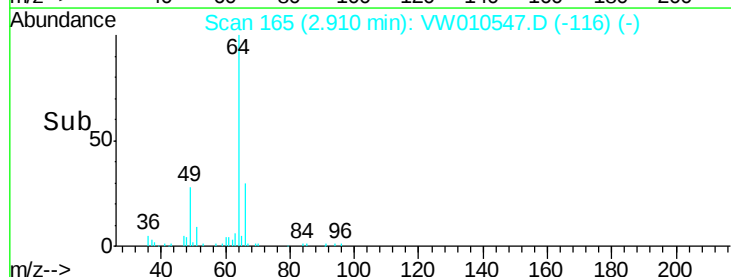
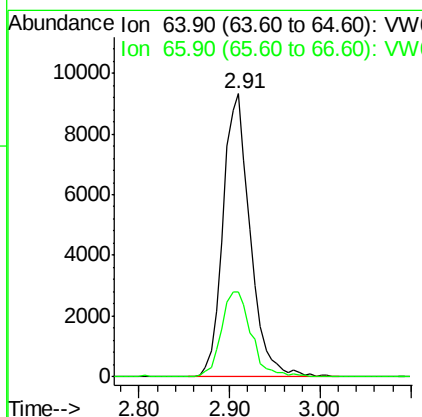
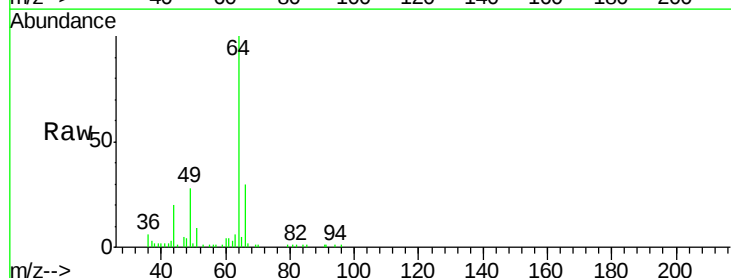
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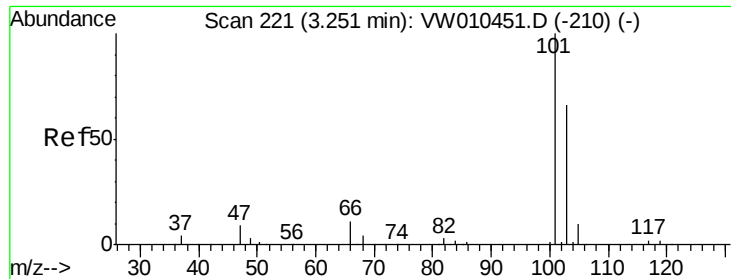
Tgt Ion: 64 Resp: 19414

Ion Ratio Lower Upper

64 100

66 29.9 25.5 38.3





#7

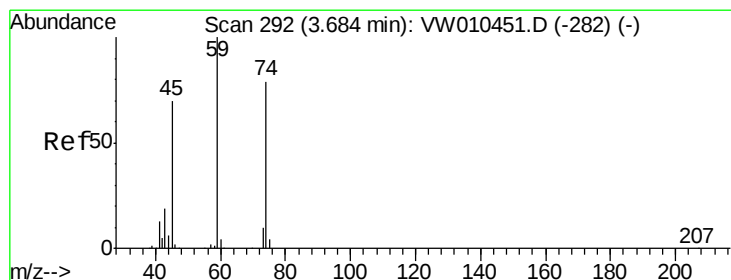
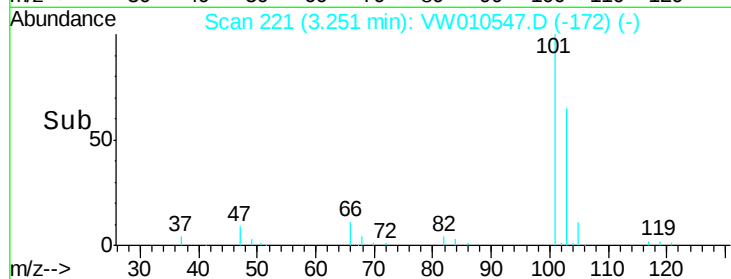
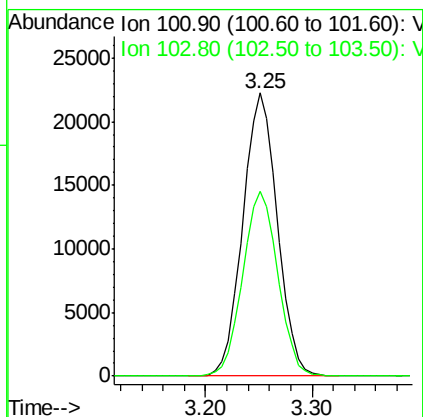
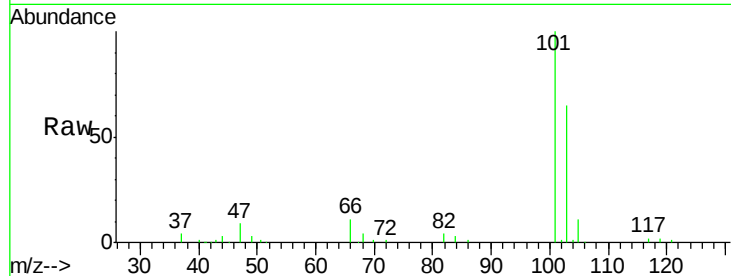
Trichlorofluoromethane
Concen: 19.818 ug/l
RT: 3.25 min Scan# 221
Delta R.T. 0.00 min
Lab File: VW010547.D
Acq: 24 May 2019 13:42

Instrument :
MSVOA_W
ClientSampleId :
VW0524SBSD01

Tot Ion:101 Resp: 50723
Ion Ratio Lower Upper
101 100
103 65.2 53.0 79.4

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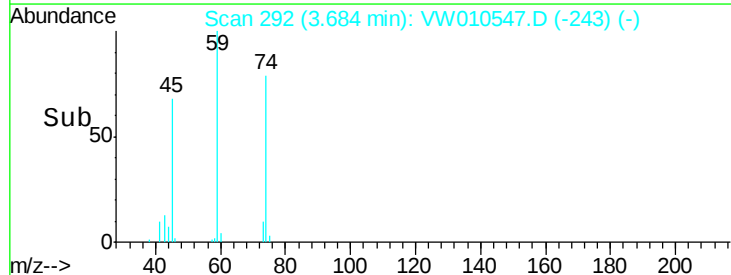
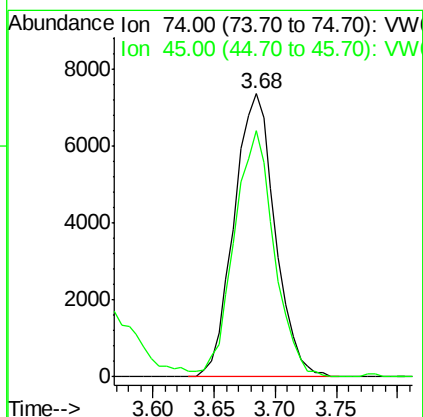
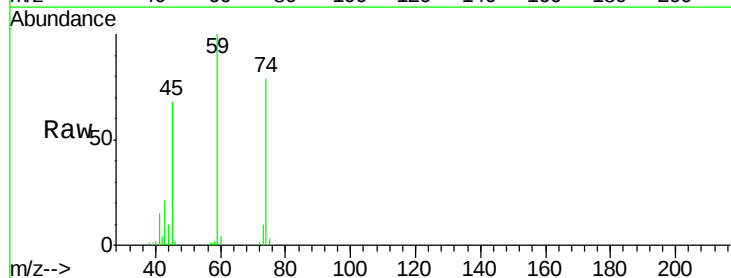
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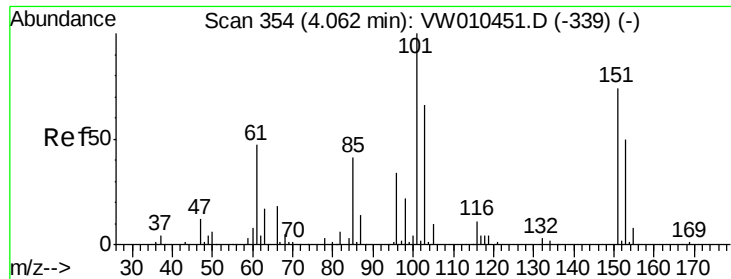


#8

Diethyl Ether
Concen: 21.117 ug/l
RT: 3.68 min Scan# 292
Delta R.T. 0.00 min
Lab File: VW010547.D
Acq: 24 May 2019 13:42

Tgt Ion: 74 Resp: 17133
Ion Ratio Lower Upper
74 100
45 84.9 42.9 128.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.632 ug/l

RT: 4.05 min Scan# 352

Delta R.T. -0.01 min

Lab File: VW010547.D

Acq: 24 May 2019 13:42

Instrument :

MSVOA_W

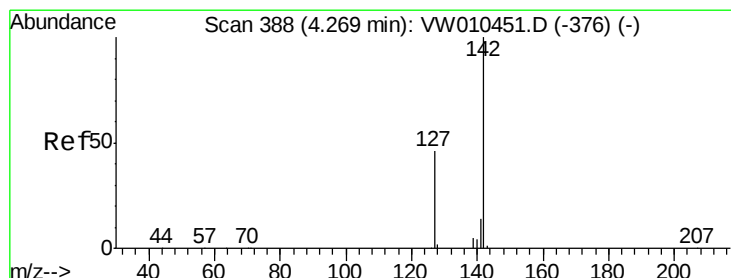
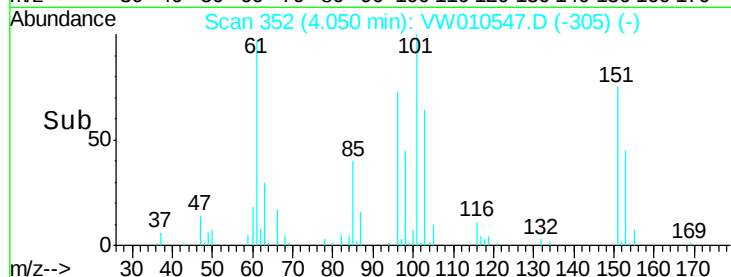
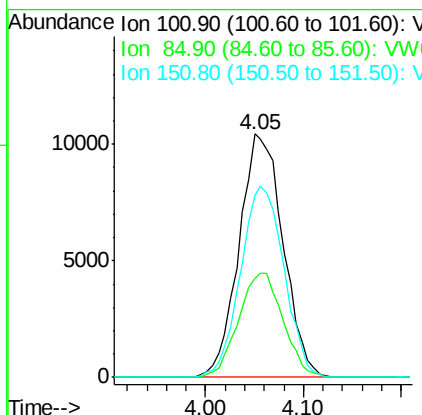
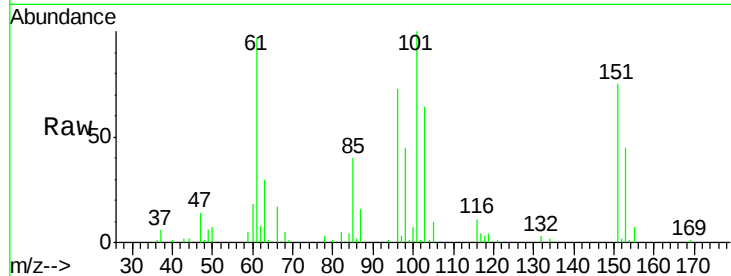
ClientSampleId :

VW0524SBS01

Tot Ion:	101	Resp:	32521
Ion Ratio	Lower	Upper	
101	100		
85	43.2	34.3	51.5
151	77.8	60.3	90.5

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#10

Methyl Iodide

Concen: 16.684 ug/l

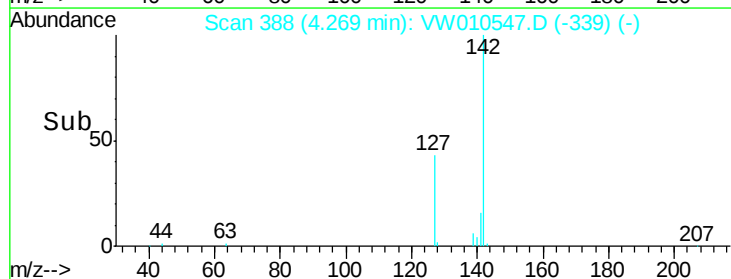
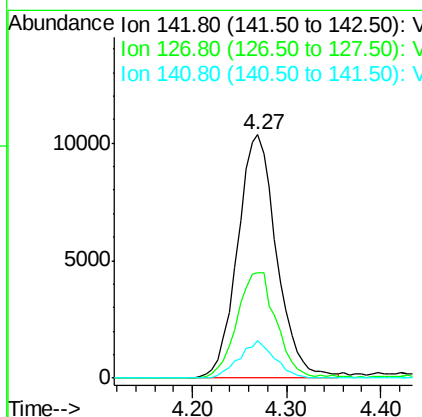
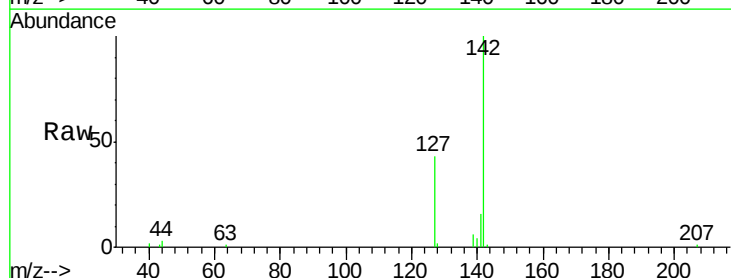
RT: 4.27 min Scan# 388

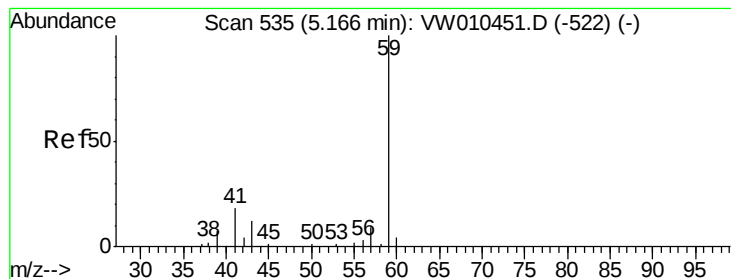
Delta R.T. -0.00 min

Lab File: VW010547.D

Acq: 24 May 2019 13:42

Tgt Ion:	142	Resp:	30059
Ion Ratio	Lower	Upper	
142	100		
127	43.8	36.1	54.1
141	13.9	11.3	16.9





#11

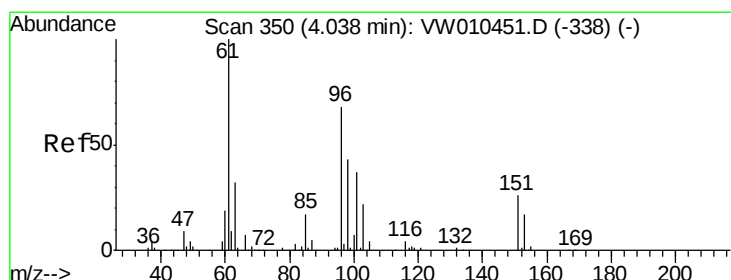
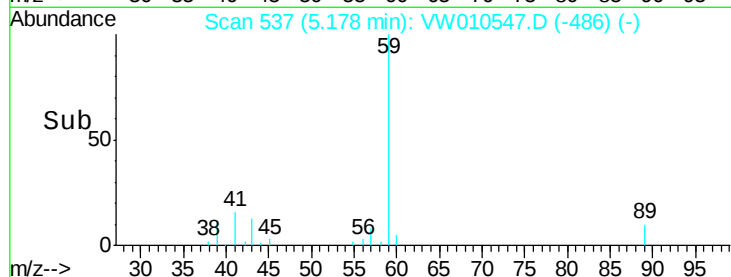
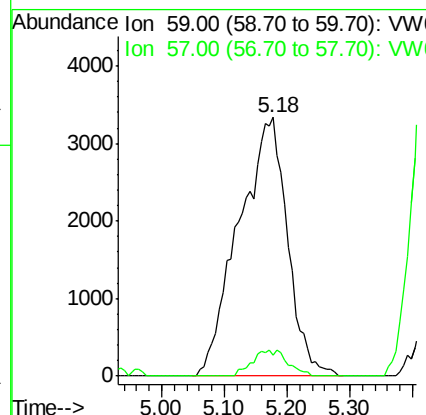
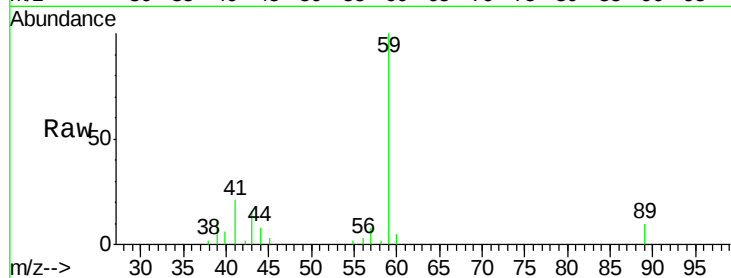
Tert butyl alcohol
Concen: 134.960 ug/l
RT: 5.18 min Scan# 537
Delta R.T. 0.01 min
Lab File: VW010547.D
Acq: 24 May 2019 13:42

Instrument :
MSVOA_W
ClientSampleId :
VW0524SBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	7.3	8.8	13.2#

Manual Integrations
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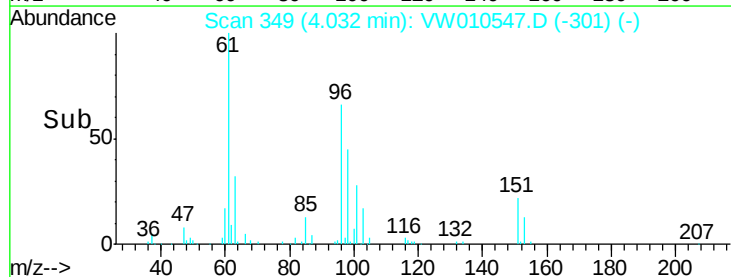
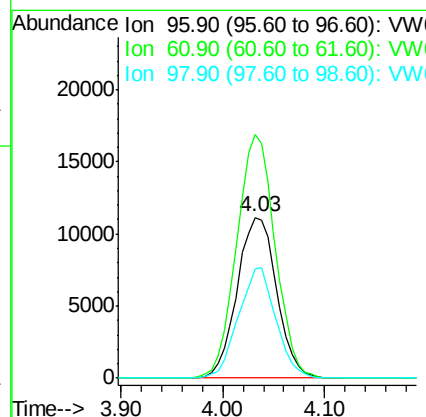
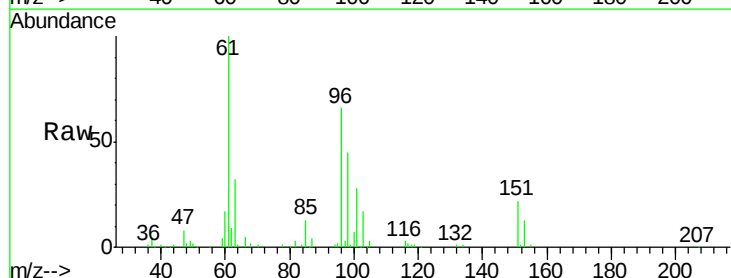
MMDadoda
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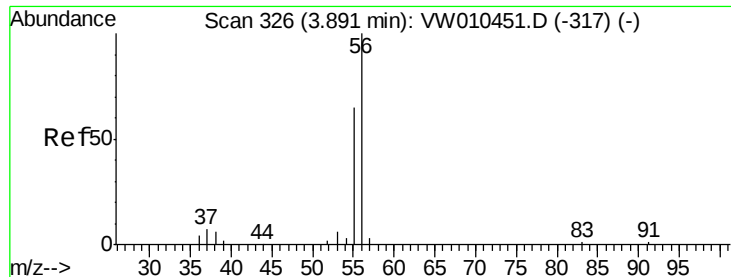


#12

1,1-Dichloroethene
Concen: 19.914 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.01 min
Lab File: VW010547.D
Acq: 24 May 2019 13:42

Tgt Ion	Ratio	Lower	Upper
96	100		
61	151.7	118.3	177.5
98	67.7	51.0	76.6





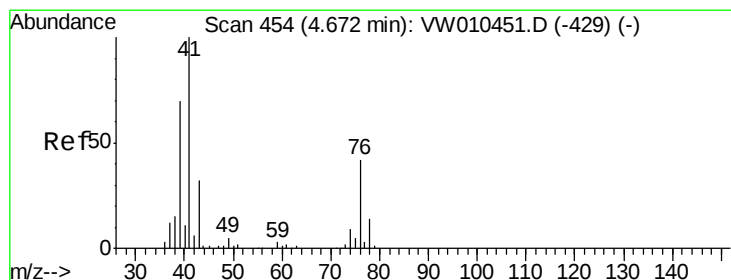
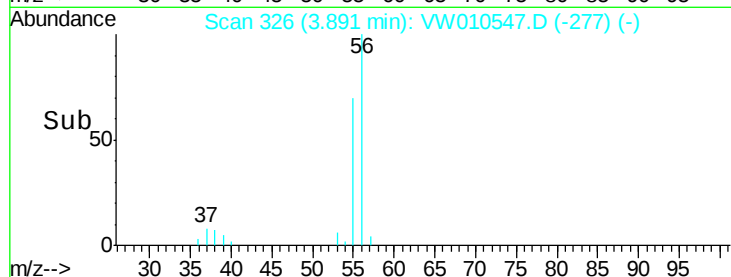
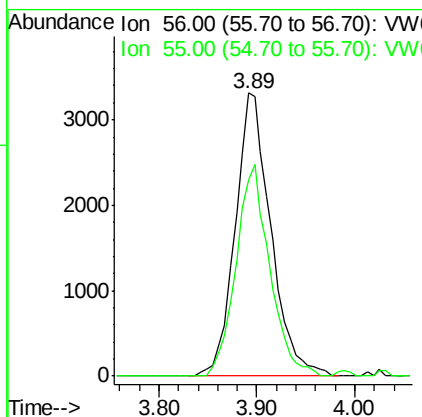
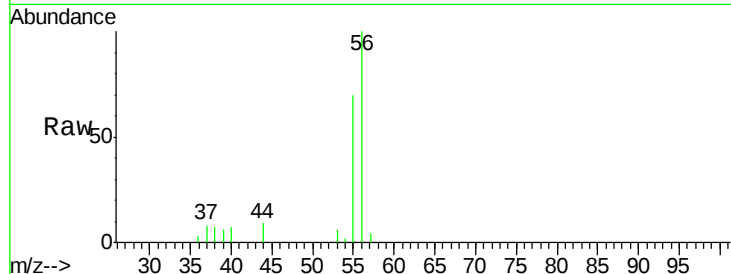
#13
 Acrolein
 Concen: 94.501 ug/l
 RT: 3.89 min Scan# 326
 Delta R.T. 0.00 min
 Lab File: VW010547.D
 Acq: 24 May 2019 13:42

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0524SBSD01

Tot Ion	56	55	Ratio	100	Resp	Lower	Upper
8352							
	56	55	100	71.0		57.9	86.9

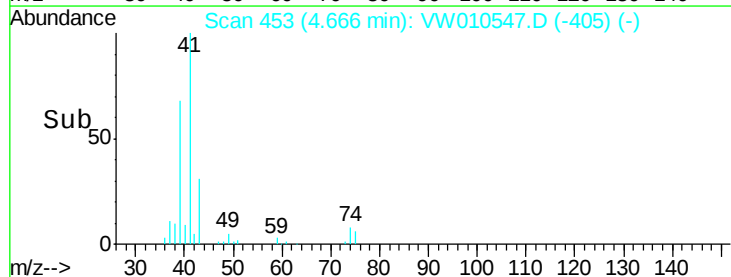
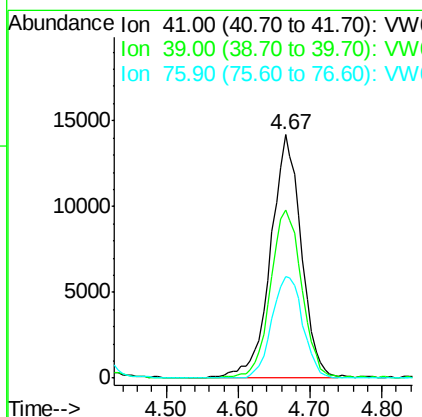
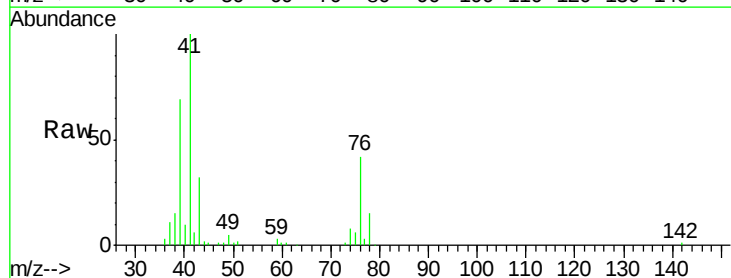
Manual Integrations
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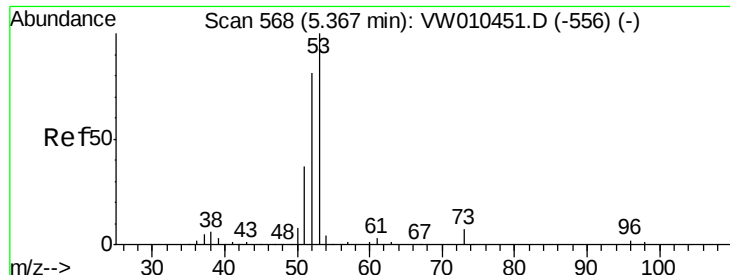
MMDadoda
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#14
 Allyl chloride
 Concen: 19.274 ug/l
 RT: 4.67 min Scan# 453
 Delta R.T. -0.01 min
 Lab File: VW010547.D
 Acq: 24 May 2019 13:42

Tgt Ion	41	39	76	Ratio	100	Resp	Lower	Upper
41977								
	41	39	76	100	70.7	42.1	55.0	82.4
							32.8	49.2





#15

Acrylonitrile

Concen: 90.265 ug/l

RT: 5.37 min Scan# 569

Delta R.T. 0.01 min

Lab File: VW010547.D

Acq: 24 May 2019 13:42

Instrument :

MSVOA_W

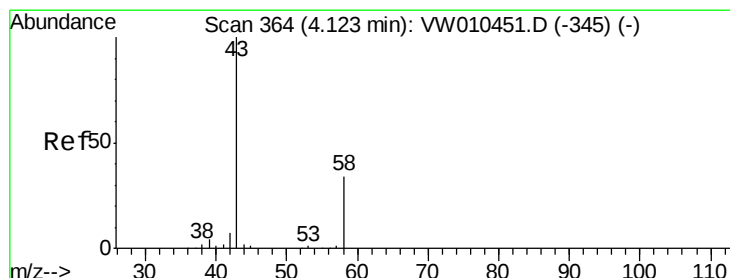
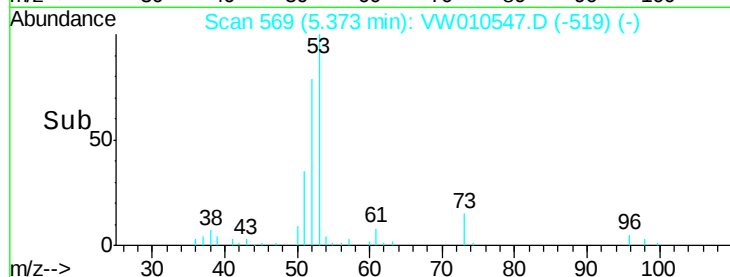
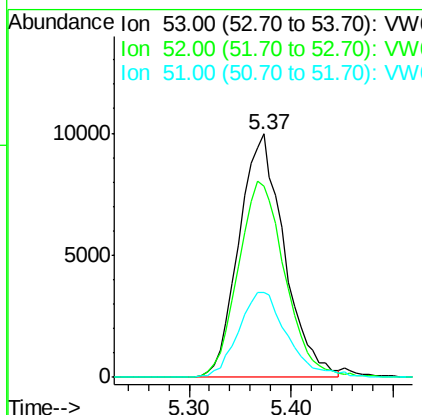
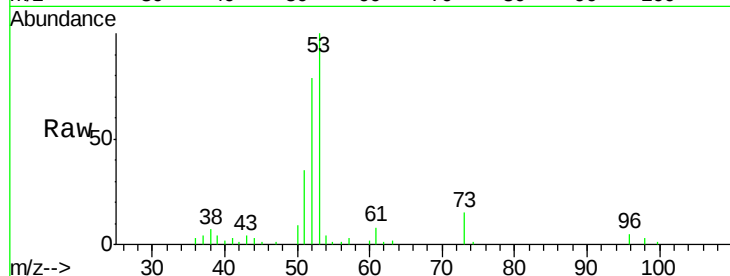
ClientSampled :

VW0524SBS01

Tot Ion:	53	Resp:	30671
Ion	Ratio	Lower	Upper
53	100		
52	83.4	65.6	98.4
51	37.8	29.5	44.3

Manual Integrations
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#16

Acetone

Concen: 96.783 ug/l

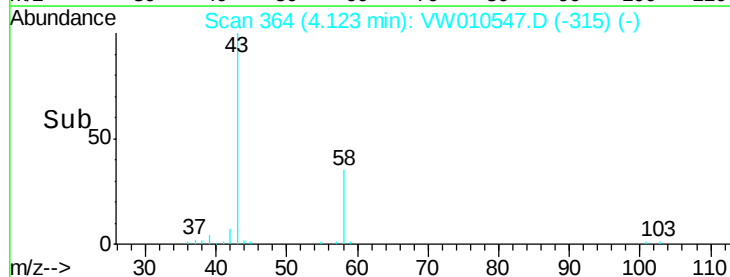
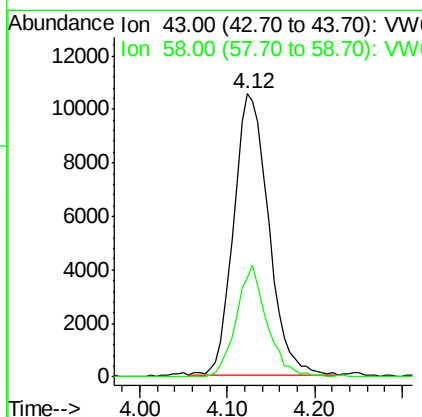
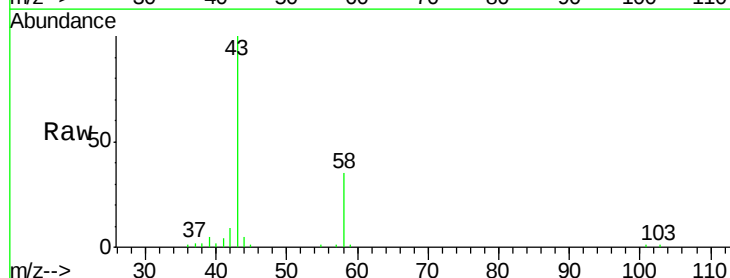
RT: 4.12 min Scan# 364

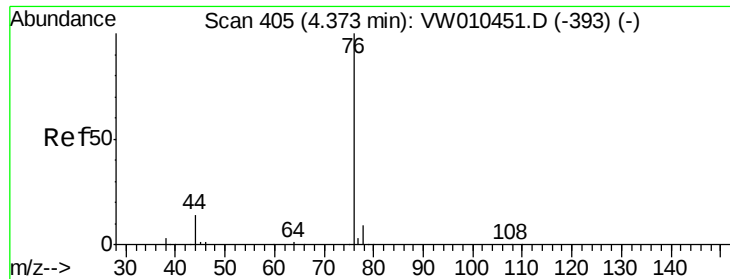
Delta R.T. 0.00 min

Lab File: VW010547.D

Acq: 24 May 2019 13:42

Tgt Ion:	43	Resp:	29047
Ion	Ratio	Lower	Upper
43	100		
58	35.5	27.0	40.4





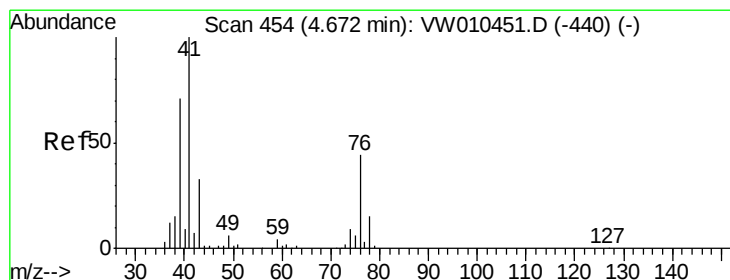
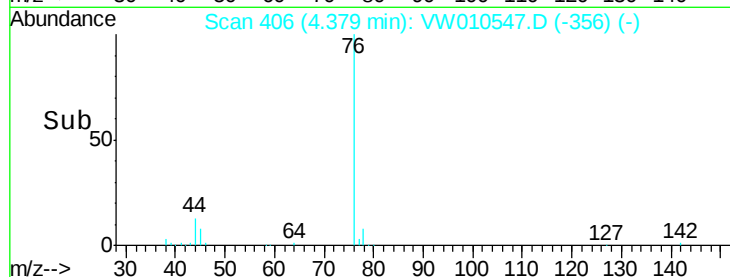
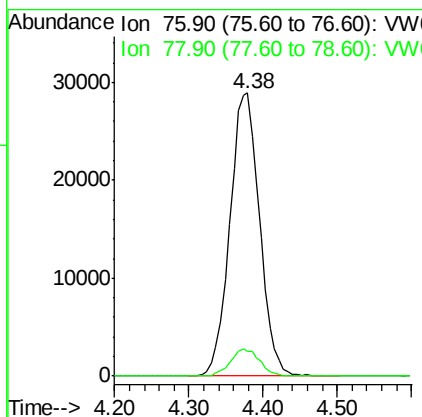
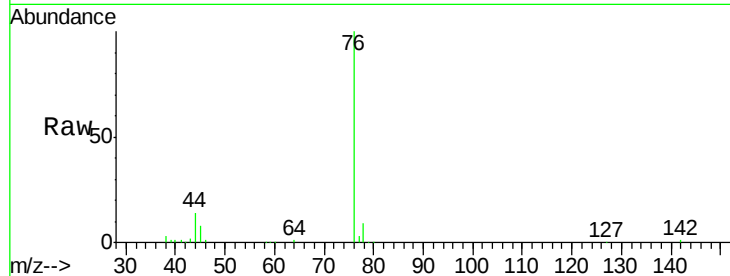
#17
Carbon Disulfide
Concen: 17.997 ug/l
RT: 4.38 min Scan# 406
Delta R.T. 0.01 min
Lab File: VW010547.D
Acq: 24 May 2019 13:42

Instrument :
MSVOA_W
ClientSampleId :
VW0524SBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.7	7.1	10.7

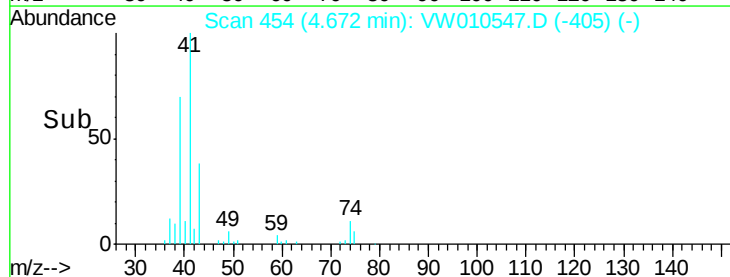
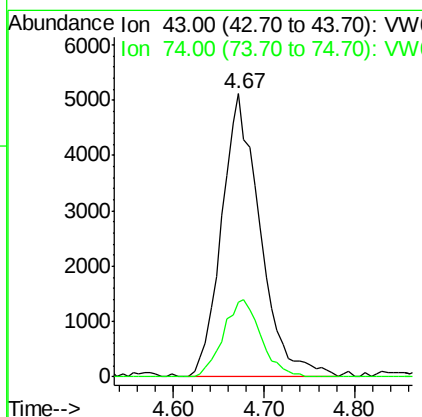
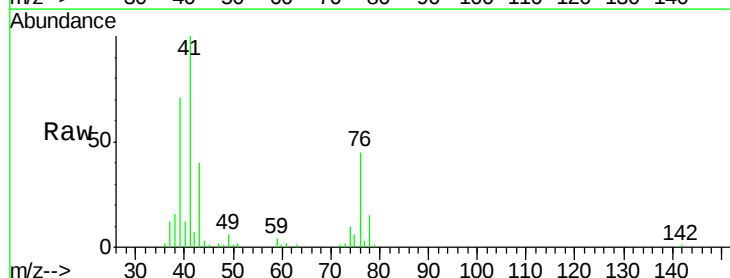
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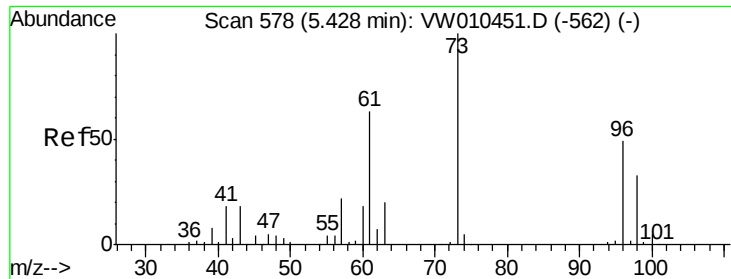
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#18
Methyl Acetate
Concen: 20.599 ug/l
RT: 4.67 min Scan# 454
Delta R.T. -0.00 min
Lab File: VW010547.D
Acq: 24 May 2019 13:42

Tgt Ion	Ratio	Lower	Upper
43	100		
74	26.6	21.6	32.4





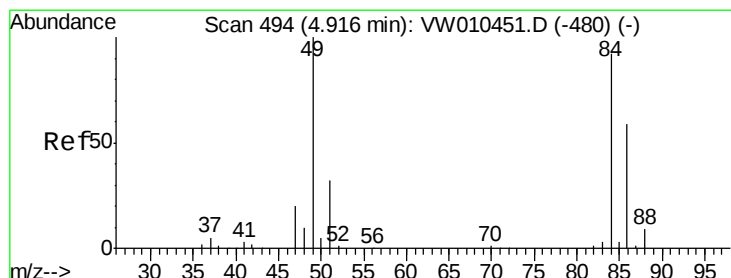
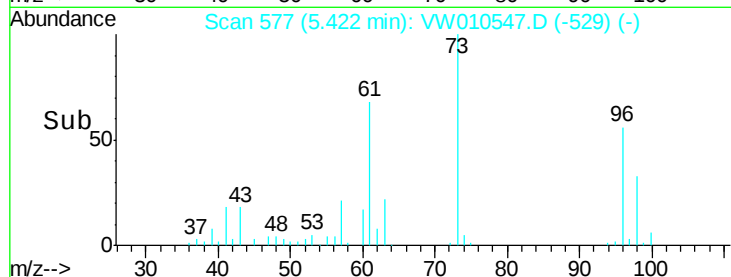
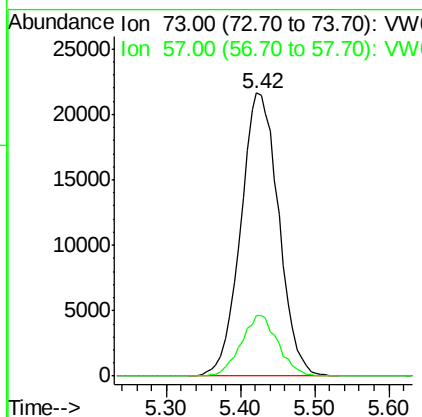
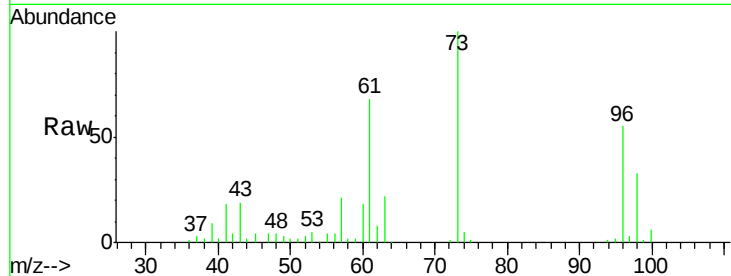
#19
Methyl tert-butyl Ether
Concen: 20.100 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW010547.D
Acq: 24 May 2019 13:42

Instrument :
MSVOA_W
ClientSampleID :
VW0524SBS01

Tot Ion: 73 Resp: 77099
Ion Ratio Lower Upper
73 100
57 21.4 17.4 26.0

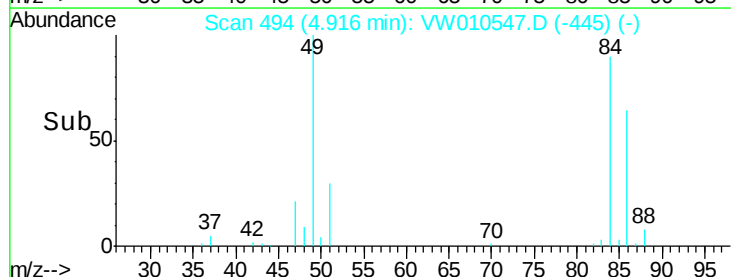
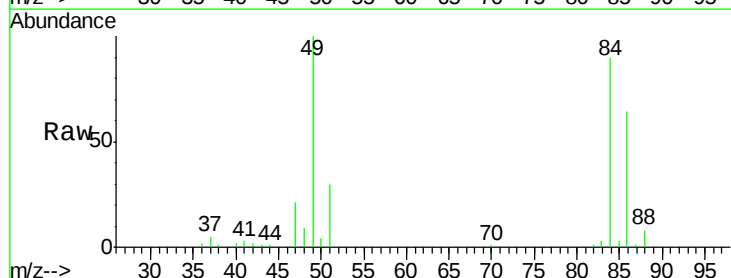
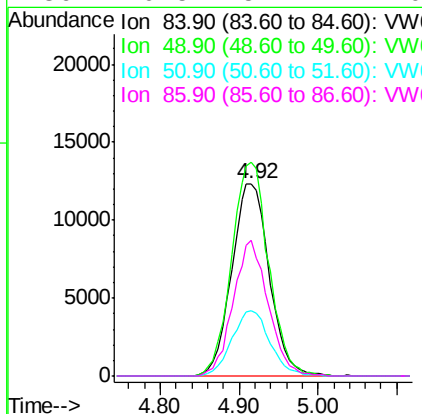
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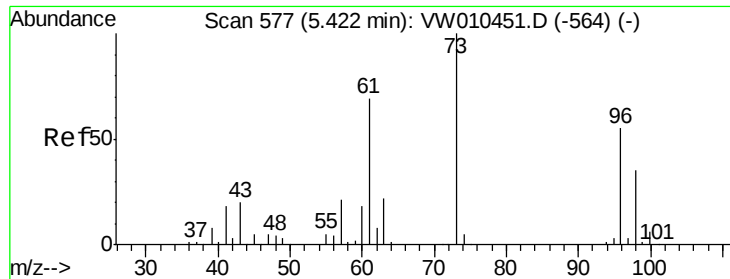
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#20
Methylene Chloride
Concen: 20.204 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW010547.D
Acq: 24 May 2019 13:42

Tgt Ion: 84 Resp: 40901
Ion Ratio Lower Upper
84 100
49 110.9 87.2 130.8
51 33.6 27.7 41.5
86 70.5 51.4 77.0





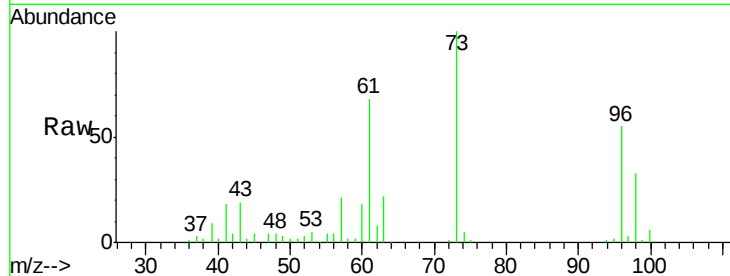
#21
trans-1,2-Dichloroethene
Concen: 20.375 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW010547.D
Acq: 24 May 2019 13:42

Instrument :
MSVOA_W
ClientSampleId :
VW0524SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	122.6	101.4	152.0
98	60.0	50.6	76.0

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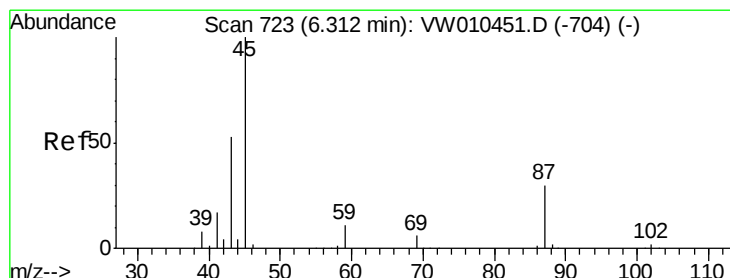
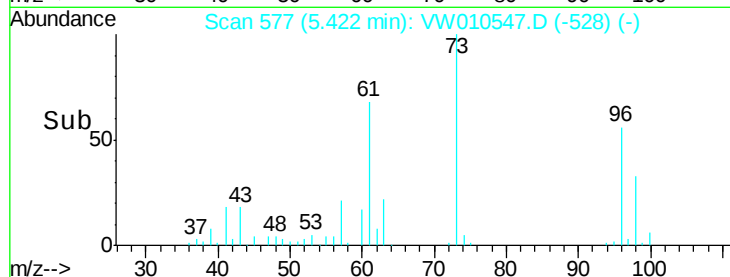
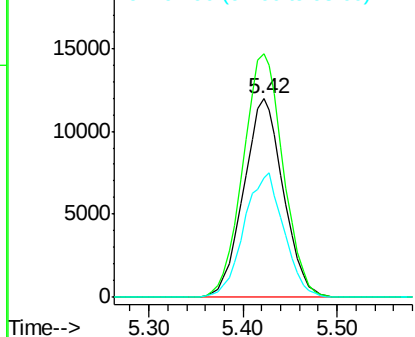


Abundance

Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW



#22
Diisopropyl ether
Concen: 19.954 ug/l
RT: 6.31 min Scan# 723
Delta R.T. -0.00 min
Lab File: VW010547.D
Acq: 24 May 2019 13:42

Tgt Ion	Ratio	Lower	Upper
45	100		
43	53.9	42.9	64.3
87	30.9	24.6	36.8
59	11.6	9.4	14.0

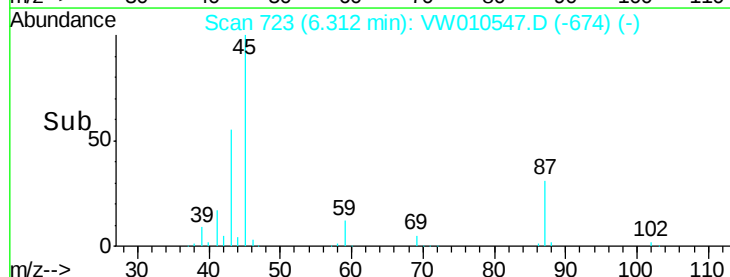
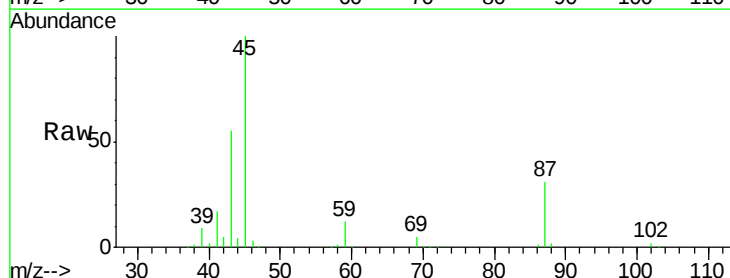
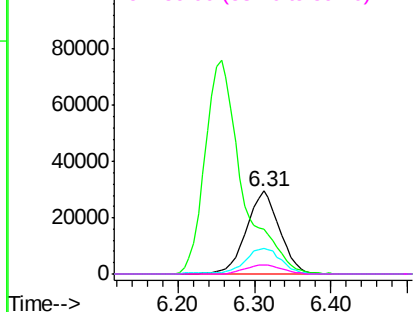
Abundance

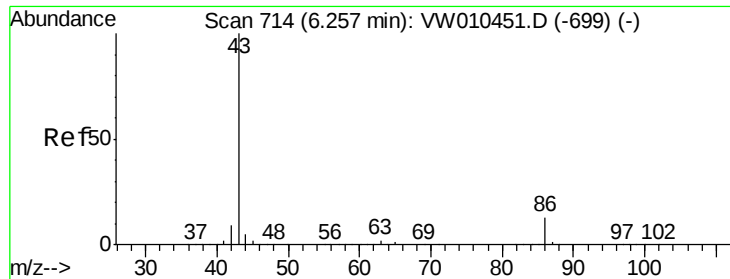
Ion 45.00 (44.70 to 45.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 87.00 (86.70 to 87.70): VW

Ion 59.00 (58.70 to 59.70): VW





#23

Vinyl Acetate

Concen: 96.155 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.00 min

Lab File: VW010547.D

Acq: 24 May 2019 13:42

Tot Ion: 43 Resp: 256507

Ion Ratio Lower Upper

43 100

86 12.5 10.3 15.5

Instrument :

MSVOA_W

ClientSampleId :

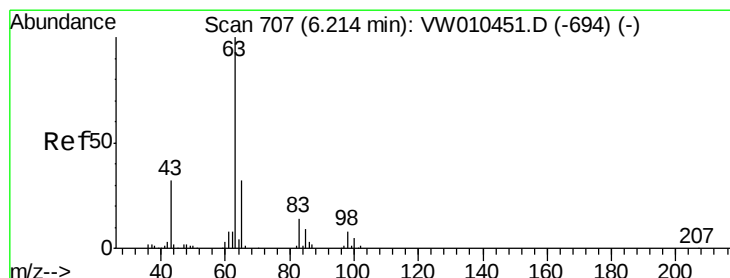
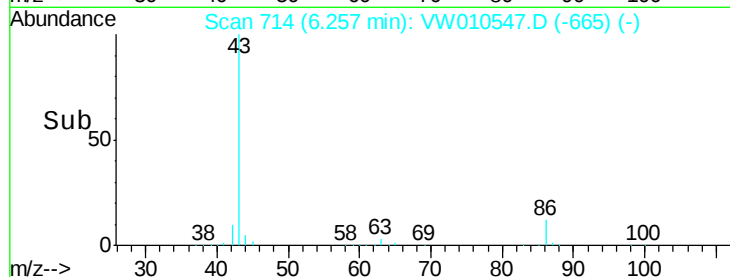
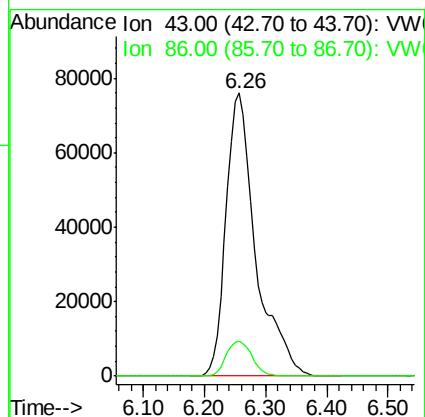
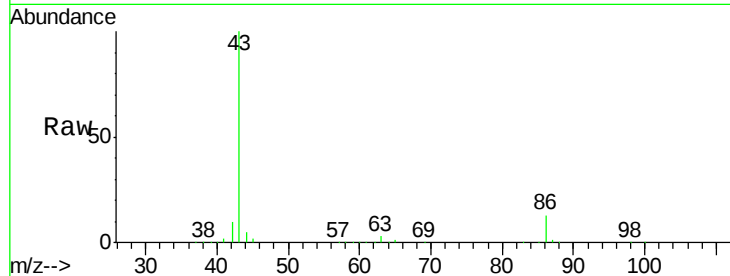
VW0524SBS01

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#24

1,1-Dichloroethane

Concen: 20.674 ug/l

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW010547.D

Acq: 24 May 2019 13:42

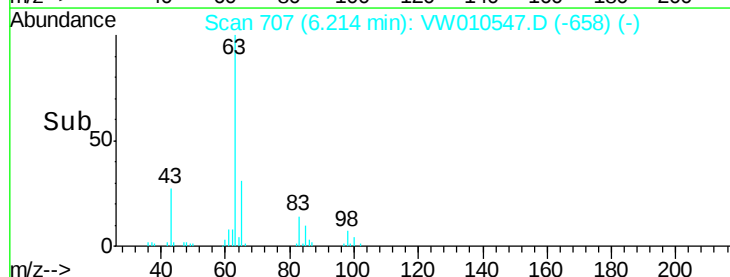
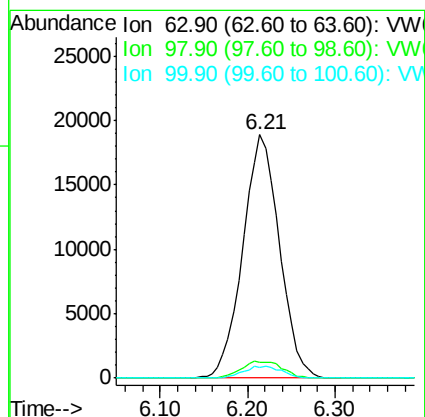
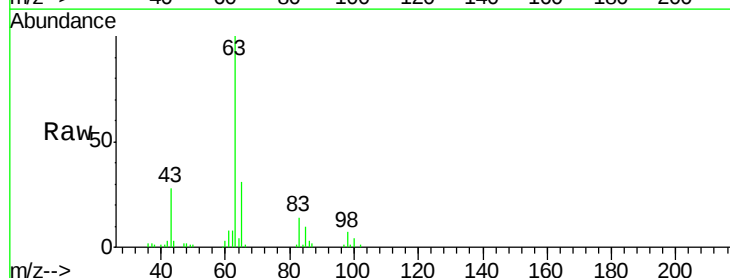
Tgt Ion: 63 Resp: 55095

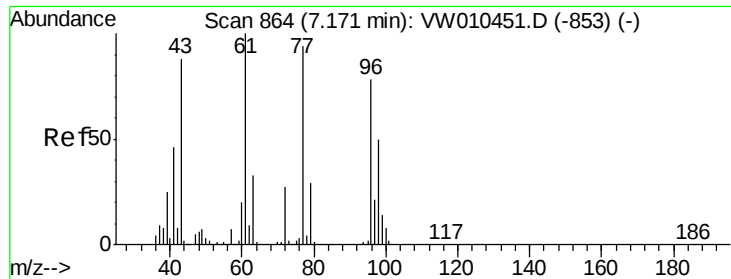
Ion Ratio Lower Upper

63 100

98 6.7 3.8 11.2

100 4.5 2.5 7.4





#25

2-Butanone

Concen: 104.080 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW010547.D

Acq: 24 May 2019 13:42

Instrument :

MSVOA_W

ClientSampled :

VW0524SBS01

Tot Ion: 43 Resp: 44703

Ion Ratio Lower Upper

43 100

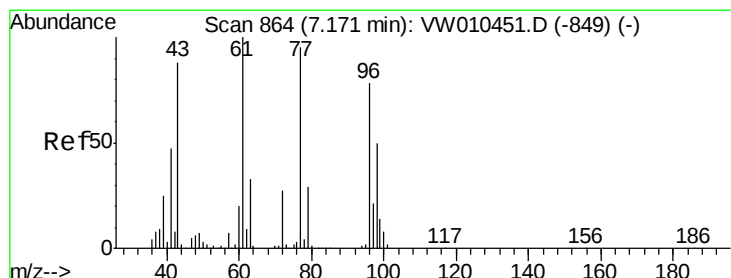
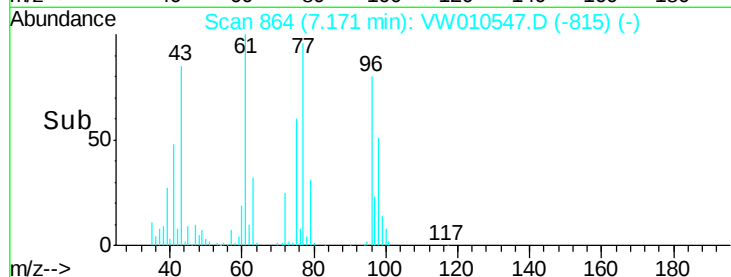
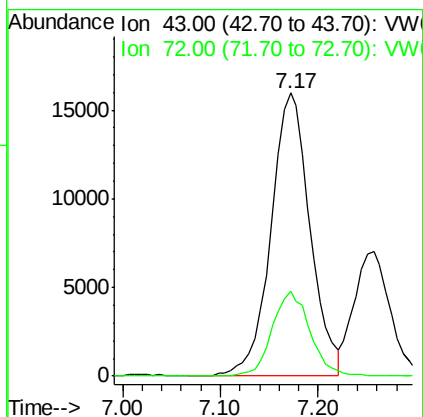
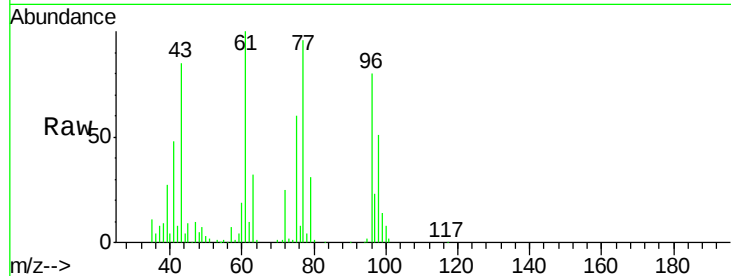
72 29.8 24.1 36.1

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 22.742 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW010547.D

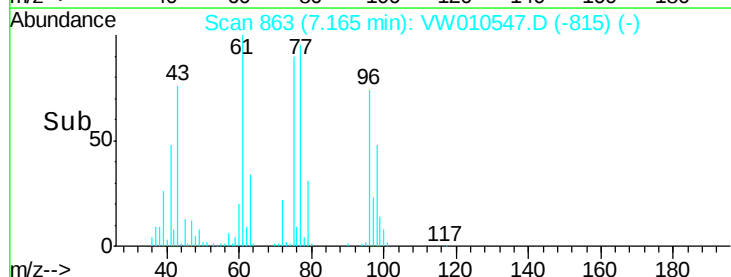
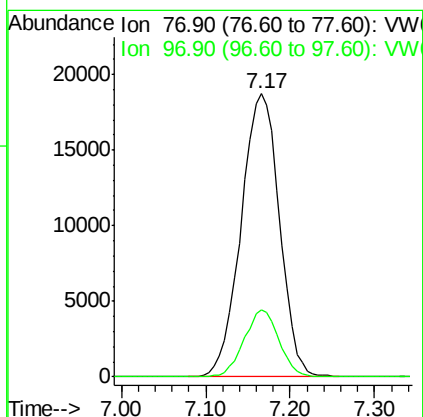
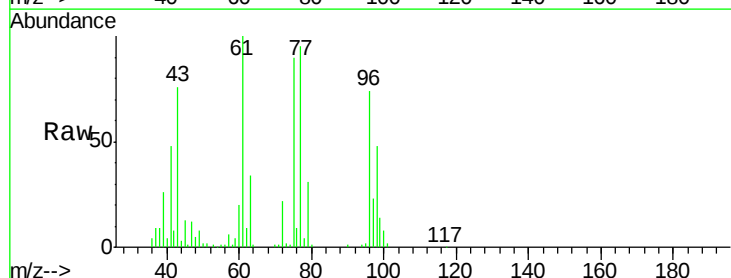
Acq: 24 May 2019 13:42

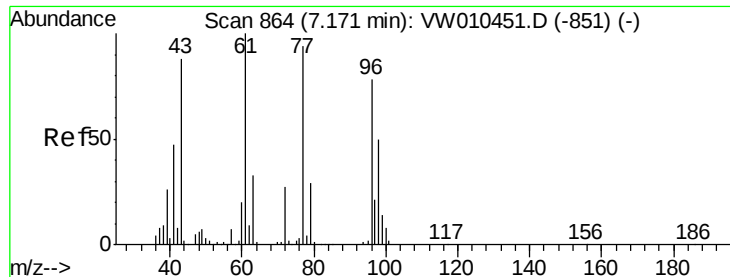
Tgt Ion: 77 Resp: 57731

Ion Ratio Lower Upper

77 100

97 21.4 11.7 35.0





#27

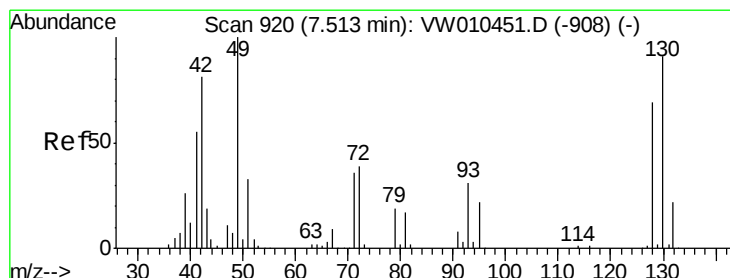
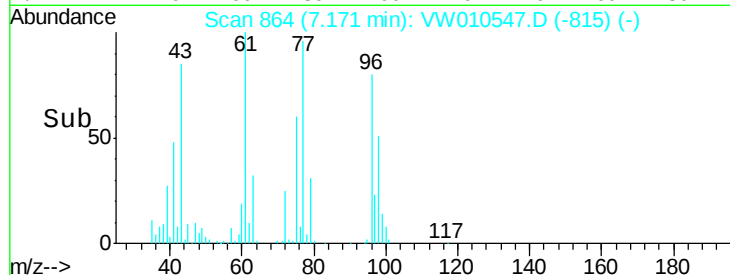
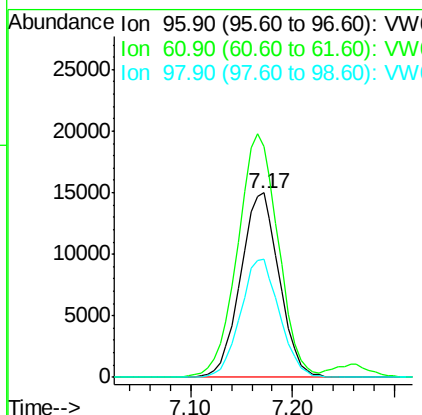
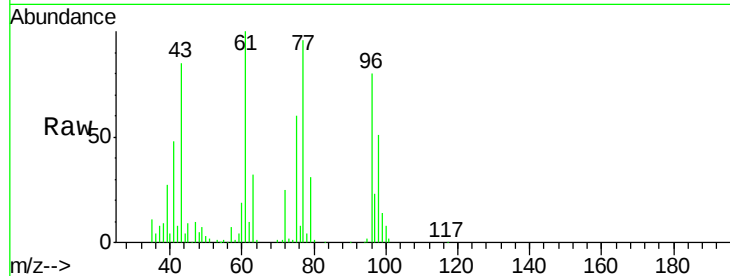
cis-1,2-Dichloroethene
 Concen: 20.985 ug/l
 RT: 7.17 min Scan# 864
 Delta R.T. 0.00 min
 Lab File: VW010547.D
 Acq: 24 May 2019 13:42

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0524SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	138.9	0.0	265.4
98	64.4	0.0	129.4

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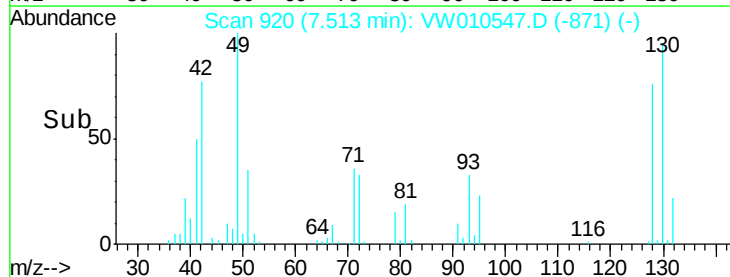
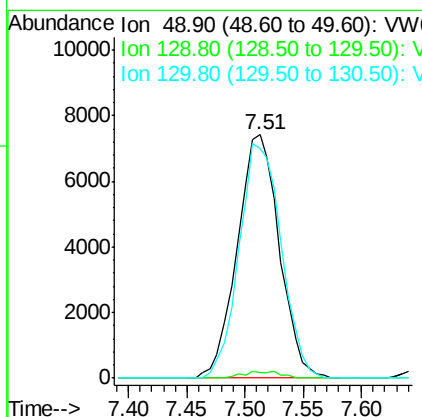
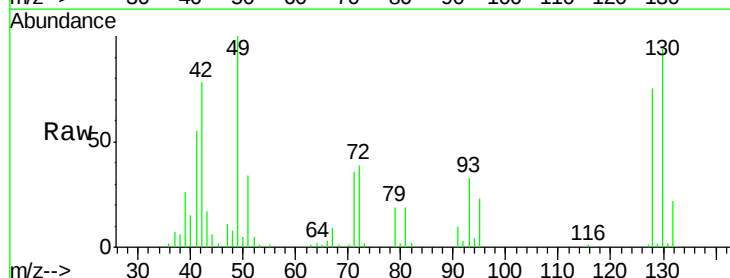
MMDadoda
 5/28/2019 12:01:21 PM

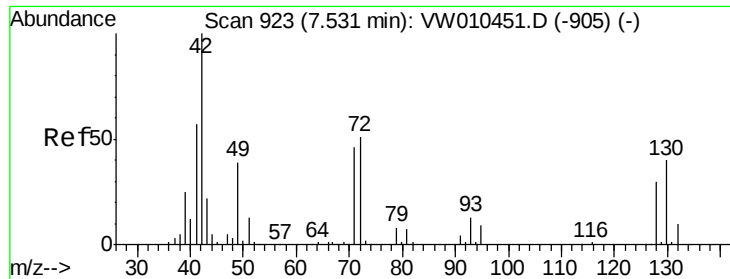


#28

Bromochloromethane
 Concen: 19.512 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. 0.00 min
 Lab File: VW010547.D
 Acq: 24 May 2019 13:42

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.4	0.0	4.8
130	96.7	71.2	106.8





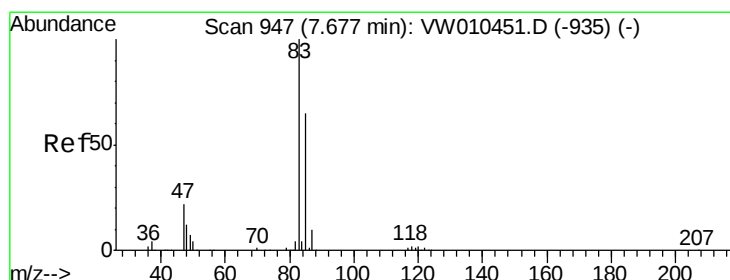
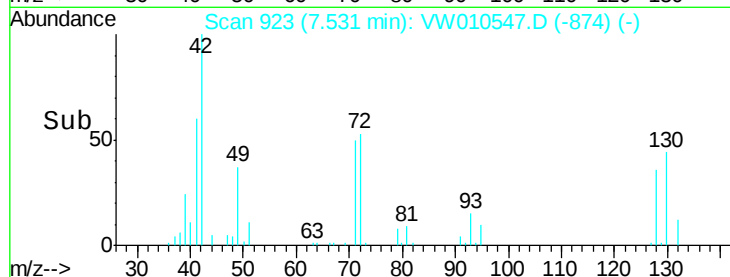
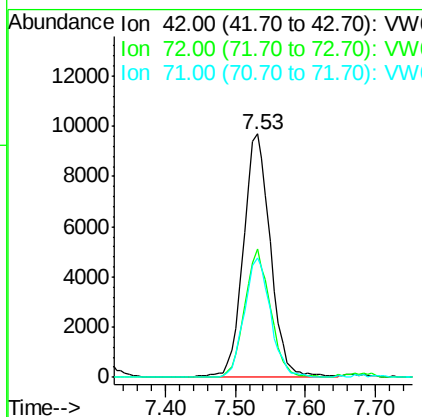
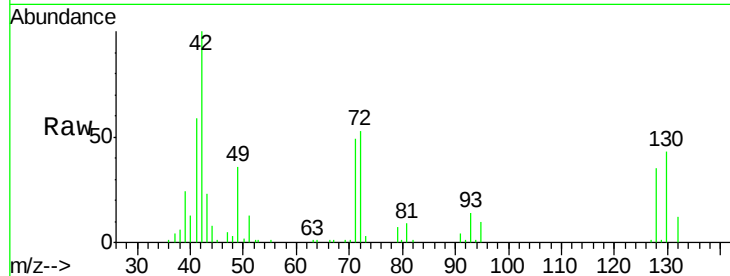
#29
Tetrahydrofuran
Concen: 89.872 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.00 min
Lab File: VW010547.D
Acq: 24 May 2019 13:42

Instrument :
MSVOA_W
ClientSampleId :
VW0524SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	49.7	38.5	57.7
71	47.4	36.5	54.7

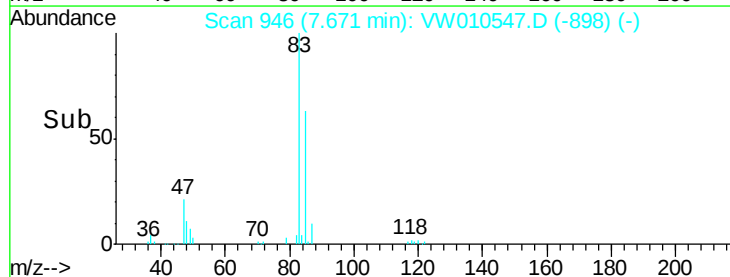
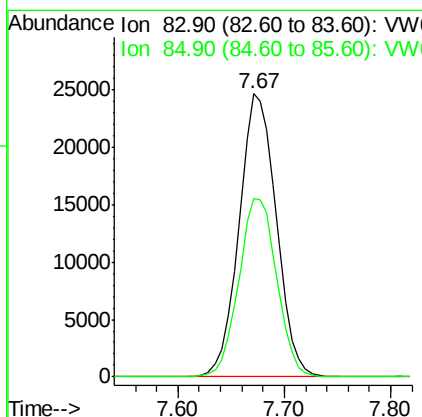
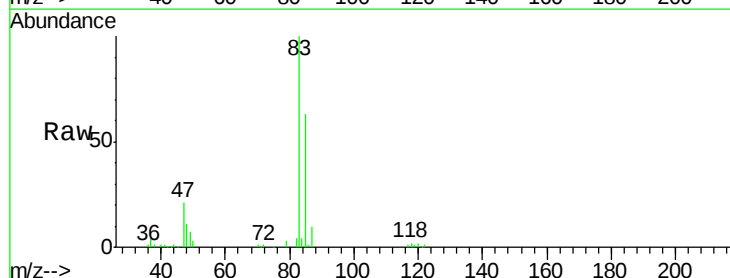
Manual Integrations
APPROVED

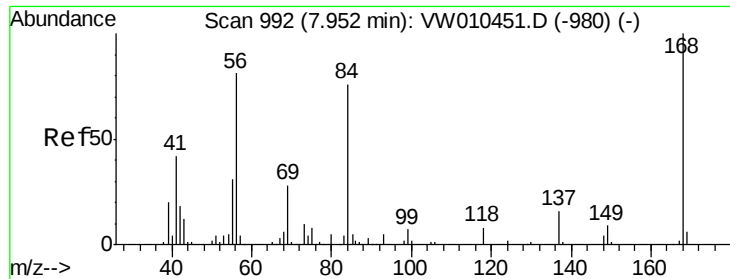
MMDadoda
5/28/2019 12:01:21 PM



#30
Chloroform
Concen: 21.016 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW010547.D
Acq: 24 May 2019 13:42

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.0	52.2	78.4





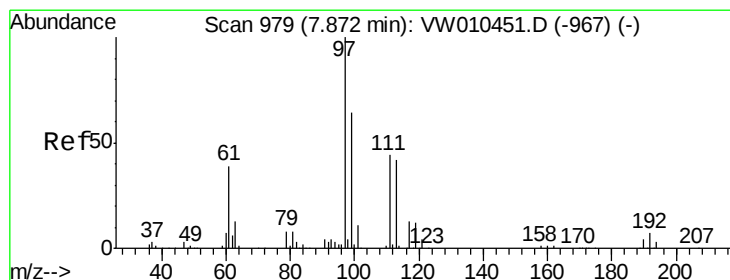
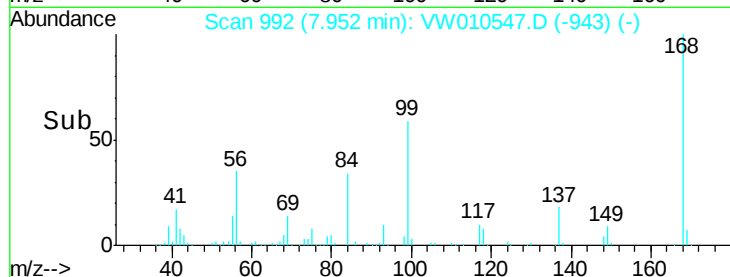
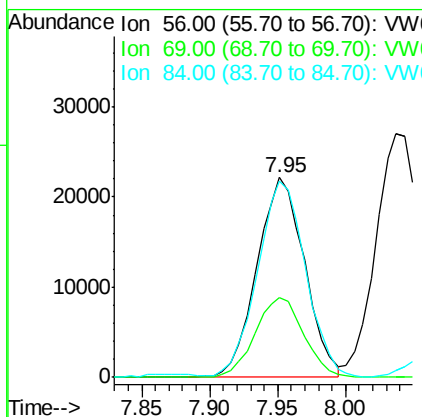
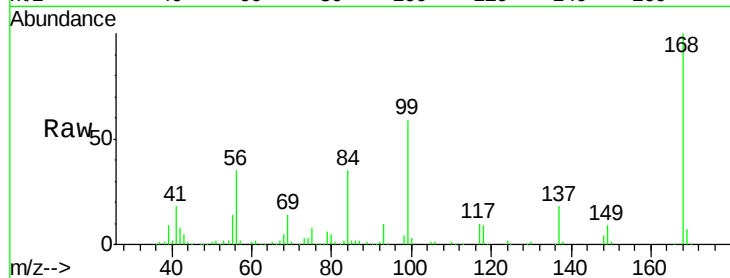
#31
Cyclohexane
Concen: 19.447 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW010547.D
Acq: 24 May 2019 13:42

Instrument :
MSVOA_W
ClientSampled :
VW0524SBSD01

Tot Ion	56	Ratio	Lower	Upper
56	100			
69	39.7	28.2	42.2	
84	96.6	75.8	113.8	

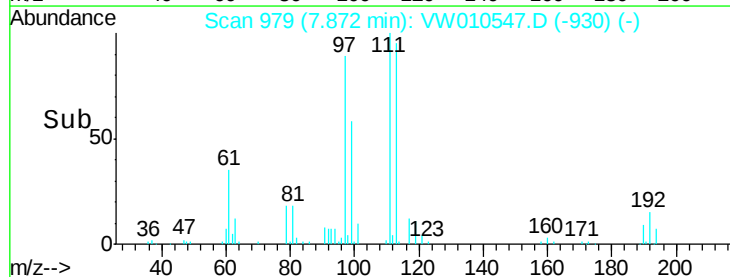
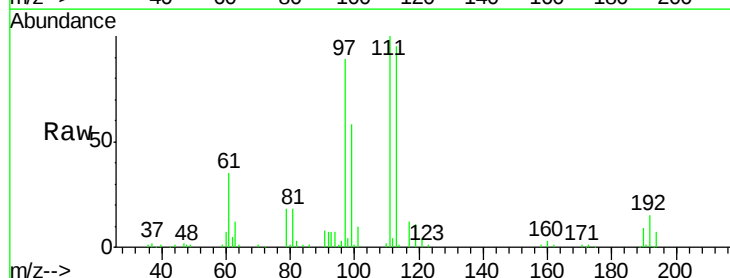
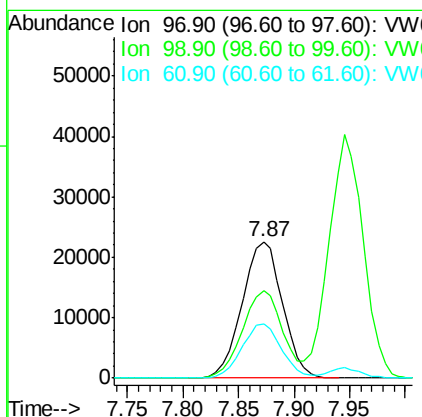
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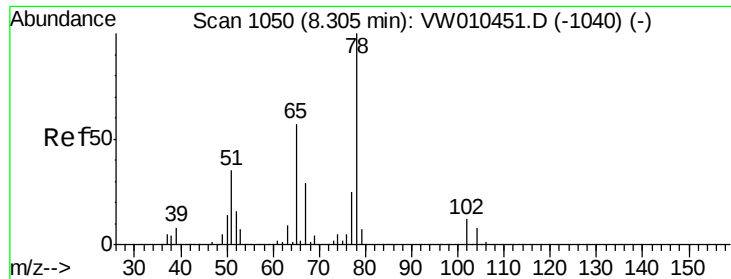
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#32
1,1,1-Trichloroethane
Concen: 20.628 ug/l
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW010547.D
Acq: 24 May 2019 13:42

Tgt Ion	97	Ratio	Lower	Upper
97	100			
99	63.1	50.8	76.2	
61	39.1	32.1	48.1	





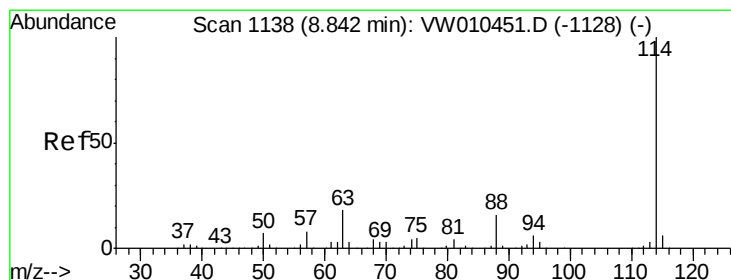
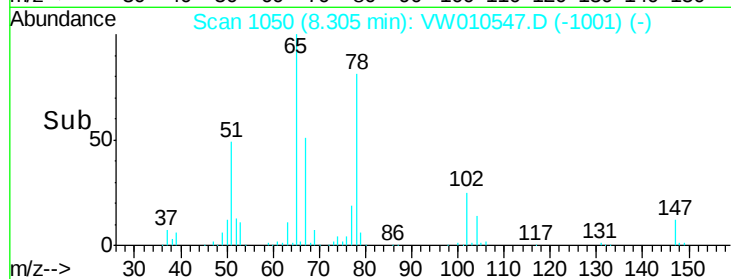
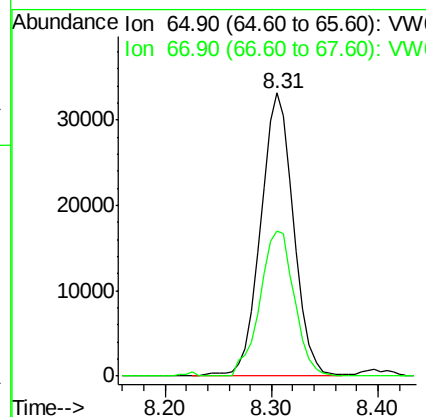
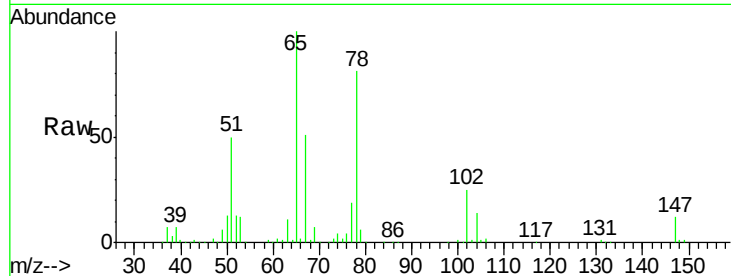
#33
 1,2-Dichloroethane-d4
 Concen: 48.738 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW010547.D
 Acq: 24 May 2019 13:42

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0524SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	71660		
67	53.6	0.0	103.6	

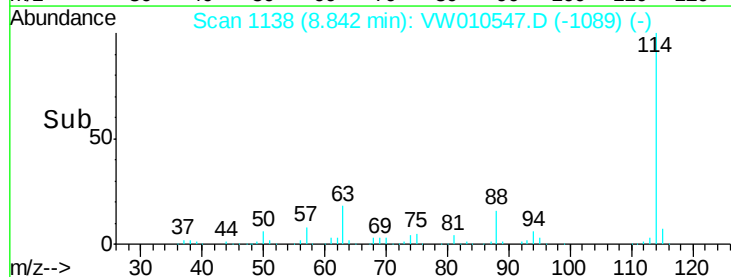
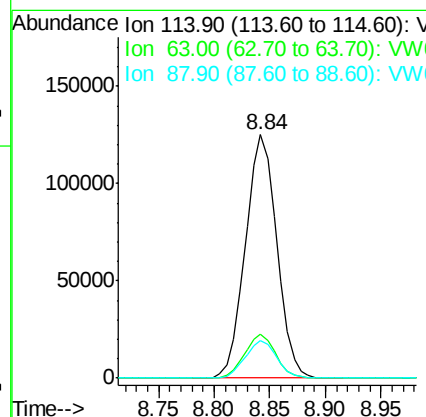
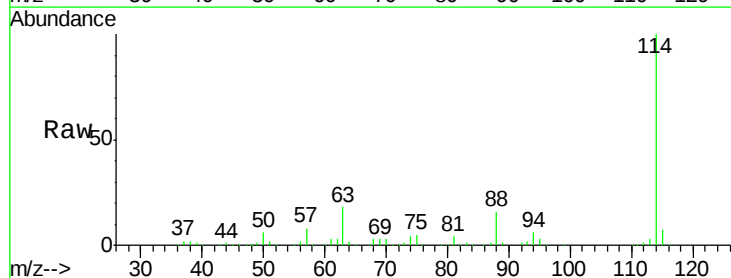
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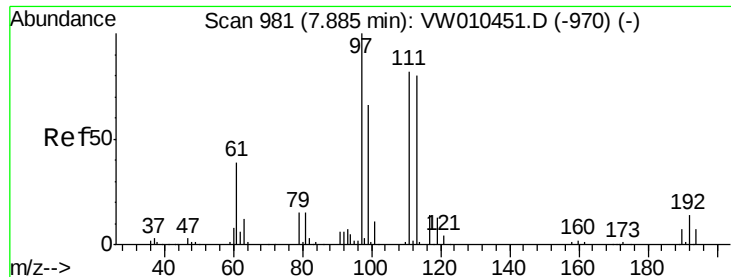
MMDadoda
 5/28/2019 12:01:21 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW010547.D
 Acq: 24 May 2019 13:42

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	245395		
63	18.2	0.0	36.0	
88	15.6	0.0	32.0	





#35

Dibromofluoromethane

Concen: 51.132 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW010547.D

Acq: 24 May 2019 13:42

Instrument :

MSVOA_W

ClientSampleId :

VW0524SBS01

Tot Ion:113 Resp: 76136

Ion Ratio Lower Upper

113 100

111 102.2 82.2 123.4

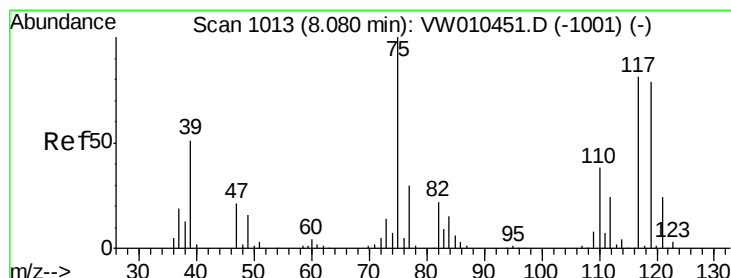
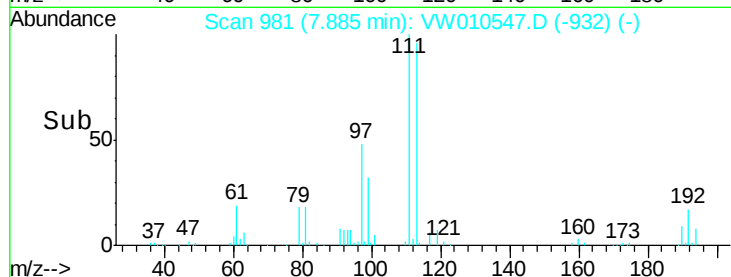
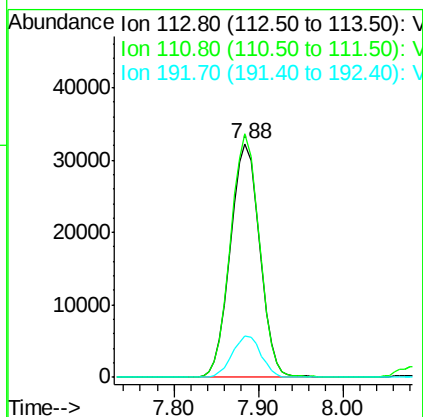
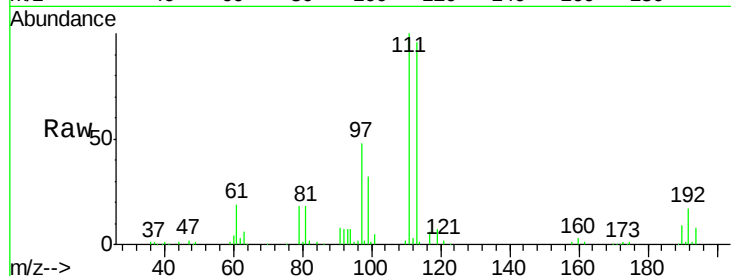
192 17.3 14.3 21.5

Manual Integrations

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#36

1,1-Dichloropropene

Concen: 20.880 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. 0.00 min

Lab File: VW010547.D

Acq: 24 May 2019 13:42

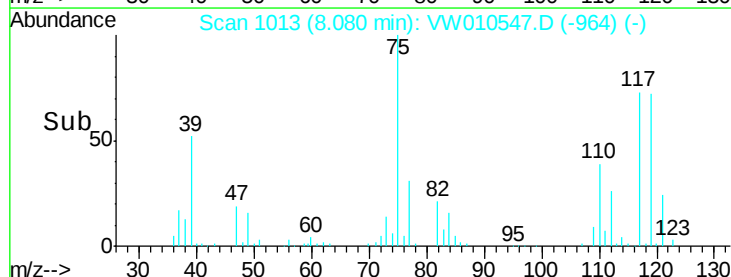
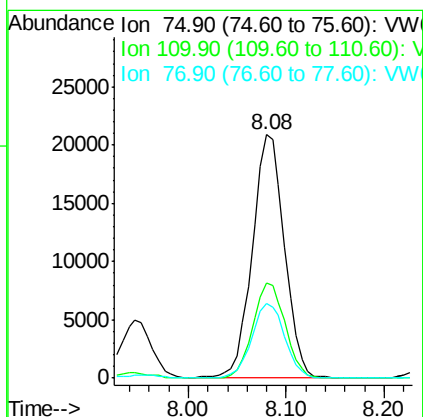
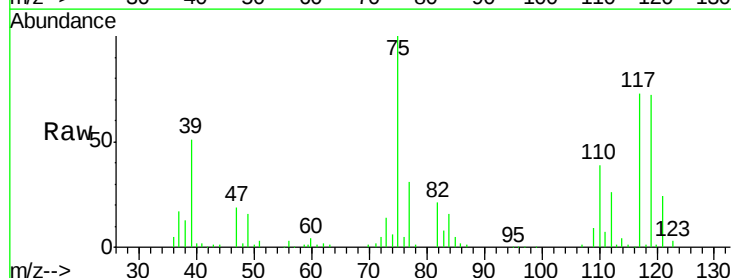
Tgt Ion: 75 Resp: 47732

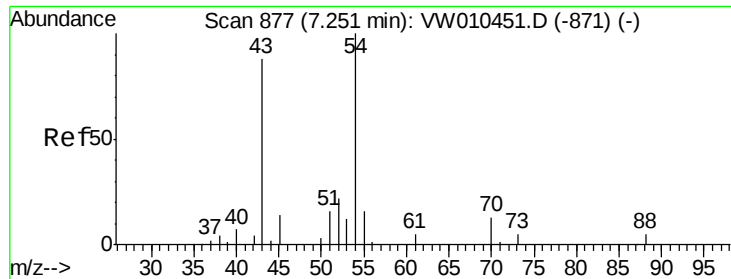
Ion Ratio Lower Upper

75 100

110 38.9 19.2 57.6

77 31.4 25.2 37.8





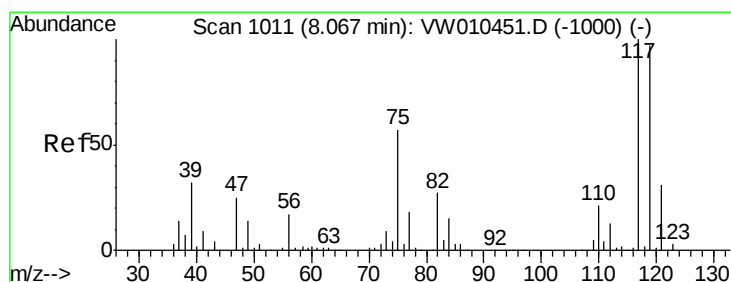
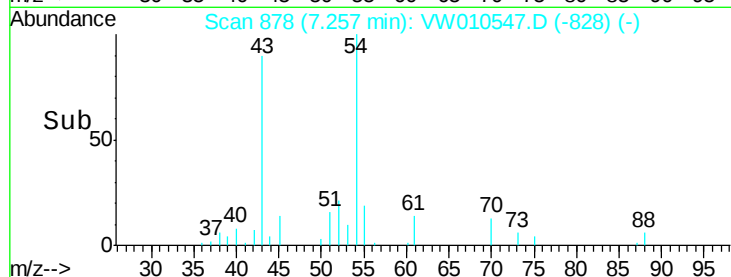
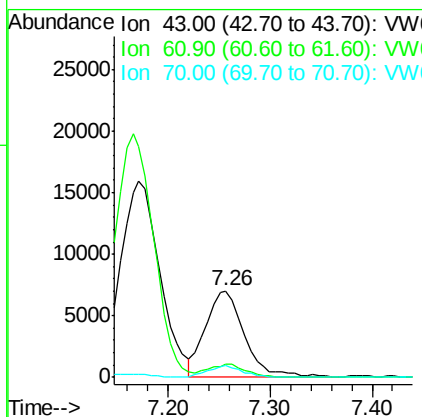
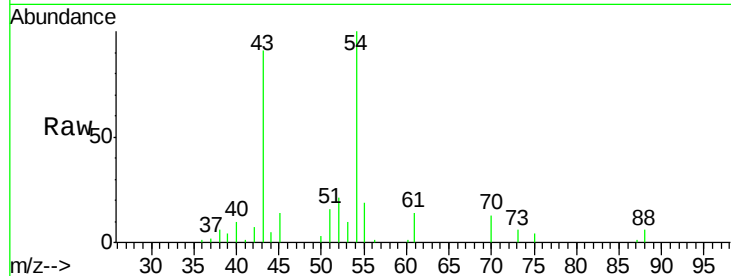
#37
Ethyl Acetate
Concen: 18.878 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.01 min
Lab File: VW010547.D
Acq: 24 May 2019 13:42

Instrument :
MSVOA_W
ClientSampleId :
VW0524SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.6	11.2	16.8
70	12.4	9.9	14.9

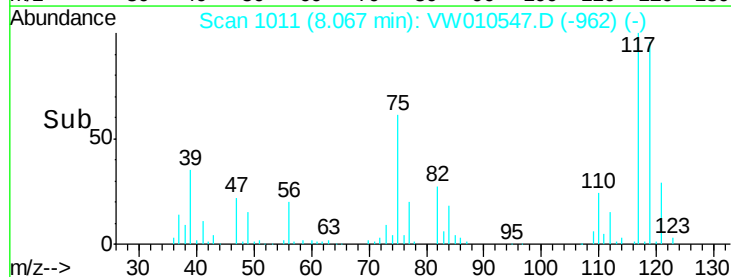
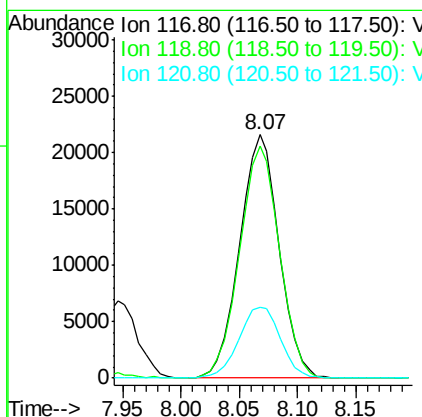
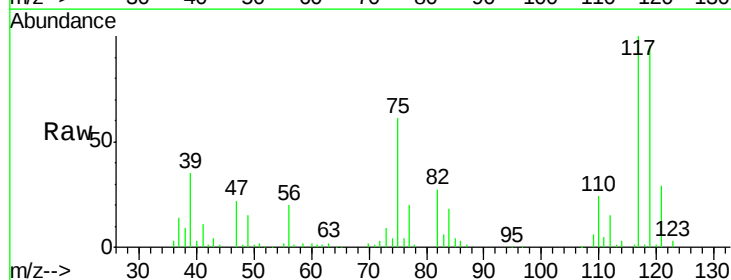
Manual Integrations
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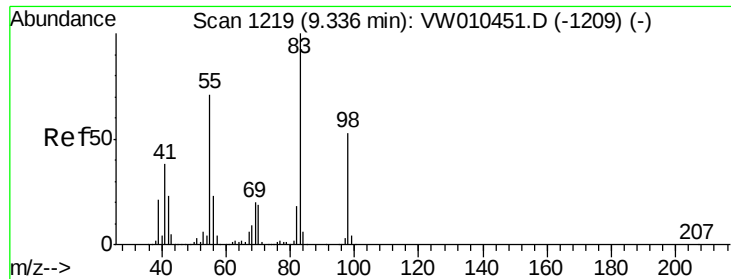
MMDadoda
5/28/2019 12:01:21 PM



#38
Carbon Tetrachloride
Concen: 20.666 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW010547.D
Acq: 24 May 2019 13:42

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.6	77.4	116.0
121	29.0	25.0	37.6





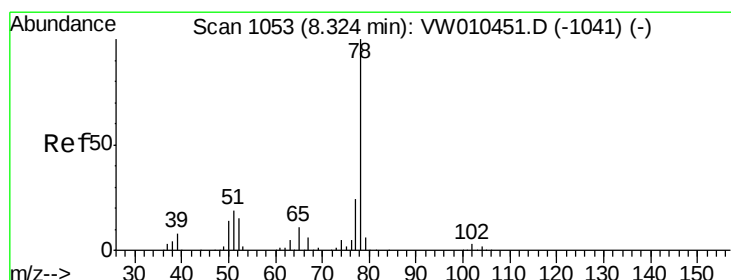
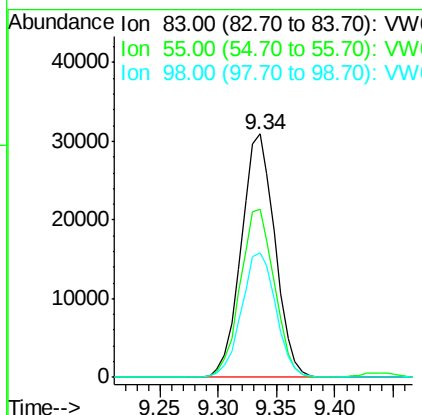
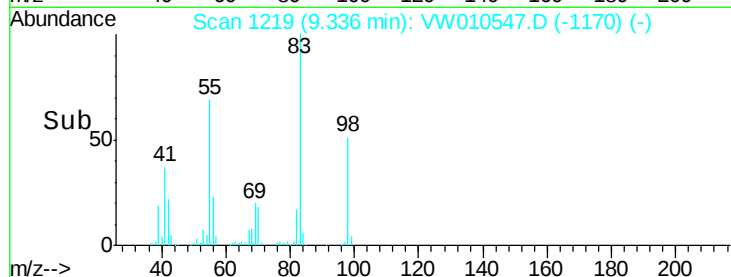
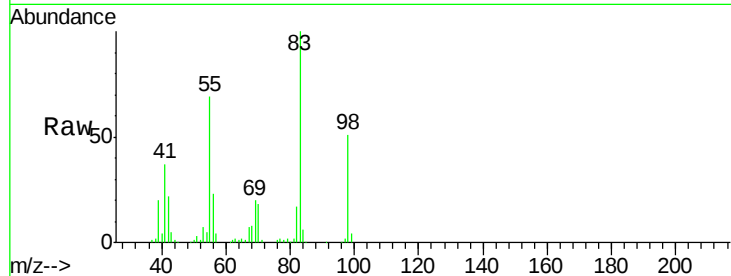
#39
Methvlcvclohexane
Concen: 20.420 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW010547.D
Acq: 24 May 2019 13:42

Instrument :
MSVOA_W
ClientSampleId :
VW0524SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	69.0	57.0	85.6
98	50.9	42.0	63.0

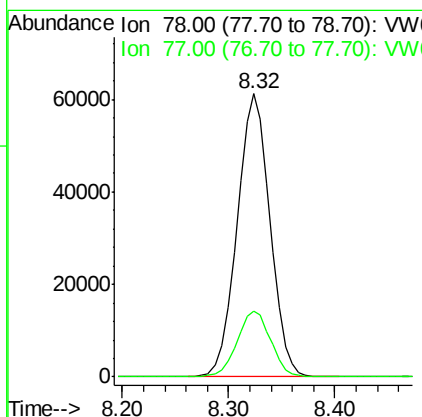
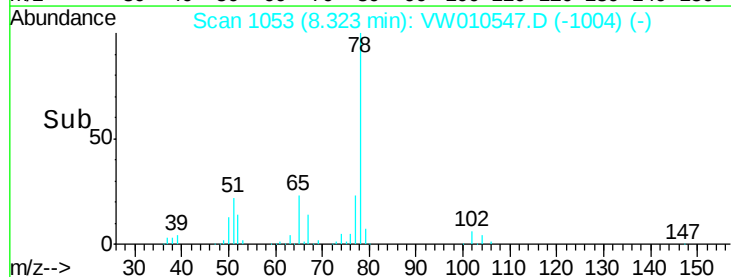
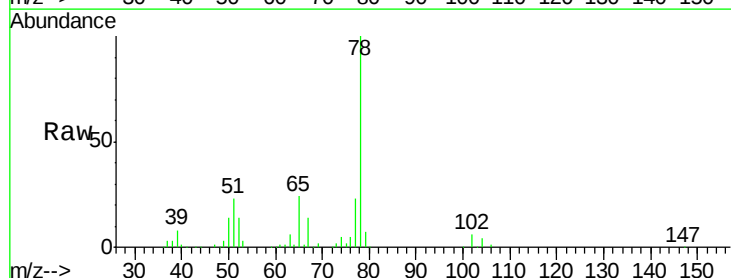
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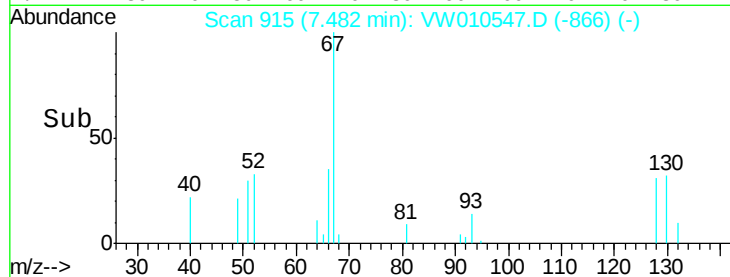
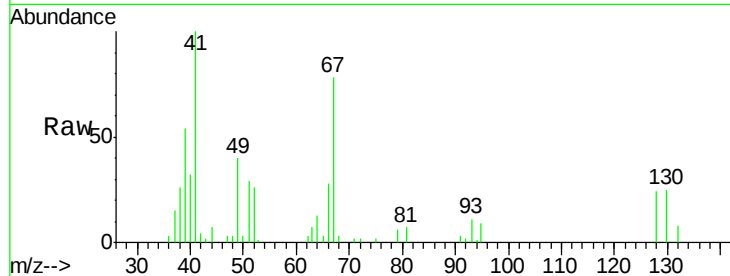
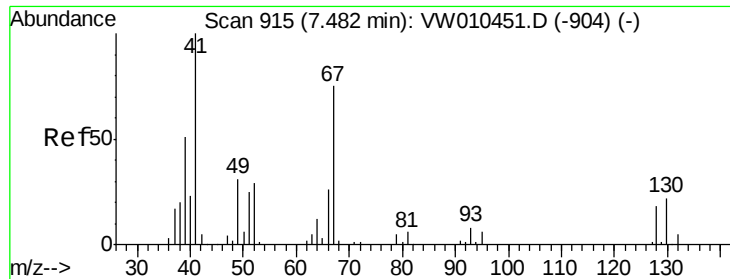
MMDadoda
5/28/2019 12:01:21 PM



#40
Benzene
Concen: 20.833 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW010547.D
Acq: 24 May 2019 13:42

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.2	18.9	28.3





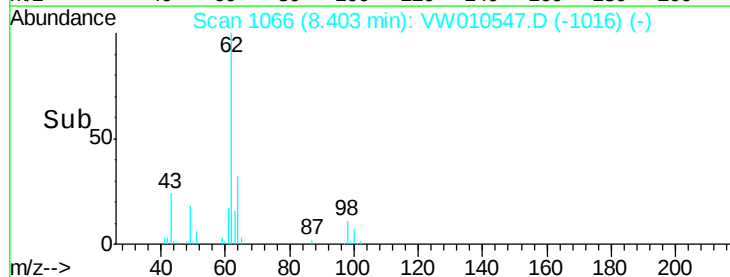
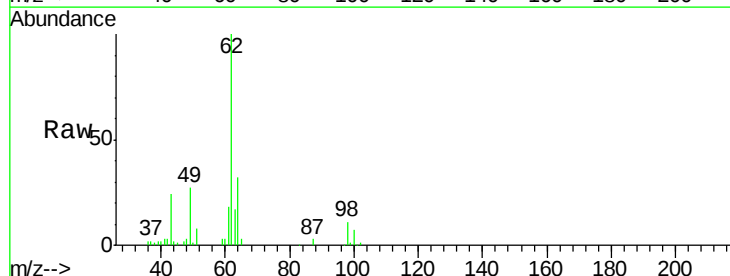
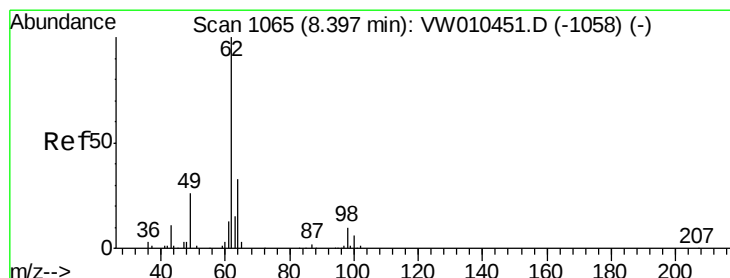
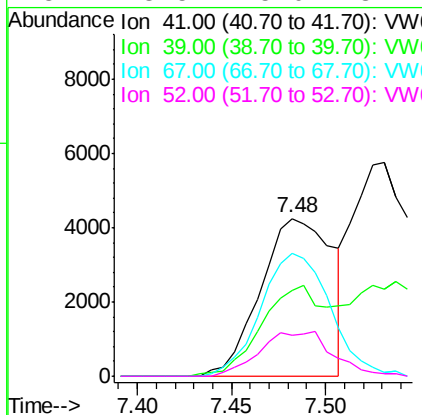
#41
Methacrylonitrile
Concen: 19.425 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW010547.D
Acq: 24 May 2019 13:42

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	41	100	11220		
39	39	49.0		47.4	71.2
67	67	75.6		65.5	98.3
52	52	28.5		25.0	37.4

Instrument :
MSVOA_W
ClientSampleId :
VW0524SBS01

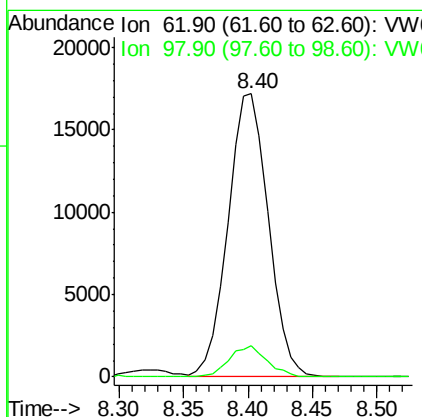
Manual Integrations
APPROVED

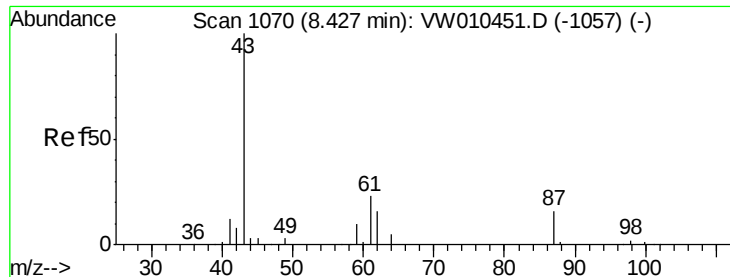
MMDadoda
5/28/2019 12:01:21 PM



#42
1,2-Dichloroethane
Concen: 20.675 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.01 min
Lab File: VW010547.D
Acq: 24 May 2019 13:42

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	62	100	37546		
98	98	10.4		0.0	21.0





#43

Isopropyl Acetate

Concen: 18.499 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.00 min

Lab File: VW010547.D

Acq: 24 May 2019 13:42

Instrument :

MSVOA_W

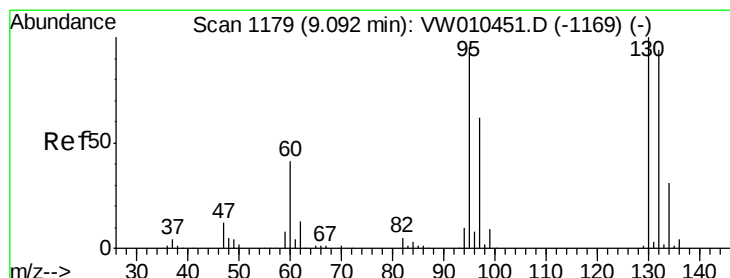
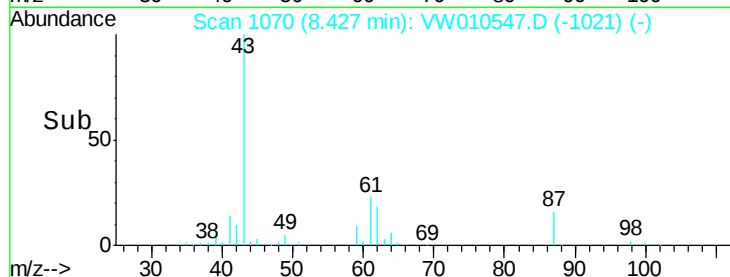
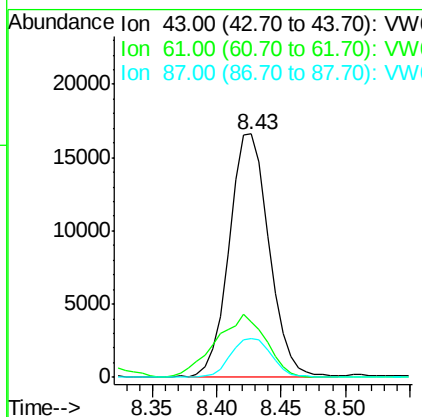
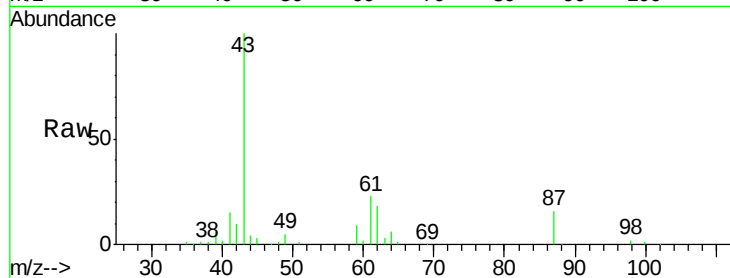
ClientSampleId :

VW0524SBSD01

Tot Ion:	43	Resp:	35926
Ion	Ratio	Lower	Upper
43	100		
61	32.8	25.4	38.2
87	16.2	12.7	19.1

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#44

Trichloroethene

Concen: 21.300 ug/l

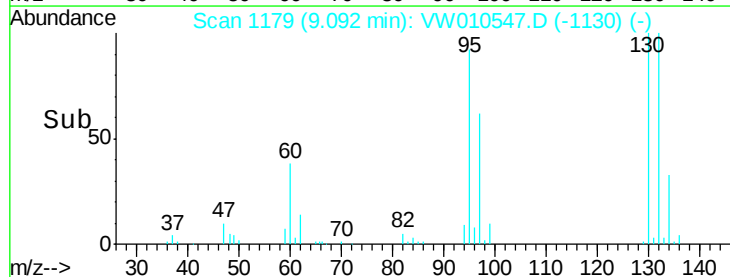
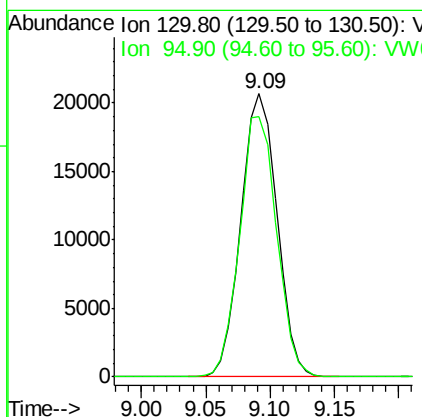
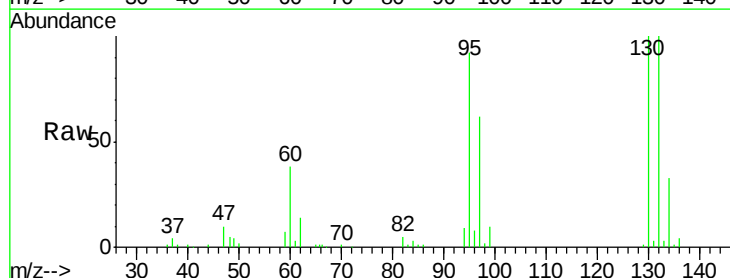
RT: 9.09 min Scan# 1179

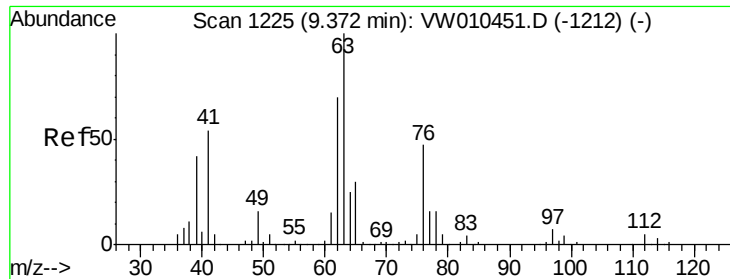
Delta R.T. 0.00 min

Lab File: VW010547.D

Acq: 24 May 2019 13:42

Tgt Ion:	130	Resp:	40178
Ion	Ratio	Lower	Upper
130	100		
95	92.0	0.0	189.6





#45

1,2-Dichloropropane

Concen: 20.447 ug/l

RT: 9.37 min Scan# 1225

Delta R.T. 0.00 min

Lab File: VW010547.D

Acq: 24 May 2019 13:42

Instrument :

MSVOA_W

ClientSampleId :

VW0524SBSD01

Tot Ion: 63 Resp: 30854

Ion Ratio Lower Upper

63 100

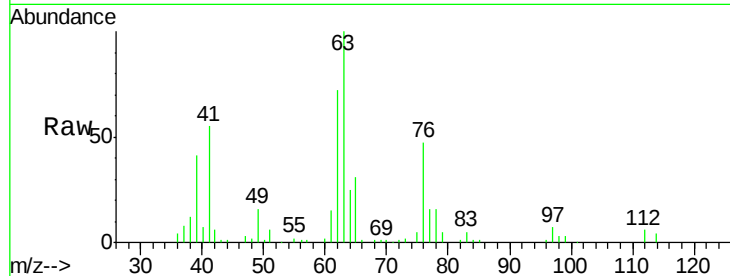
65 30.9 24.3 36.5

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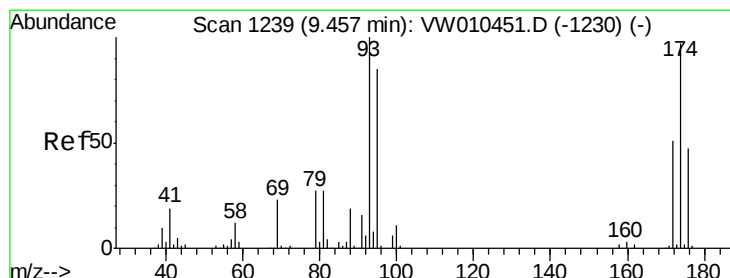
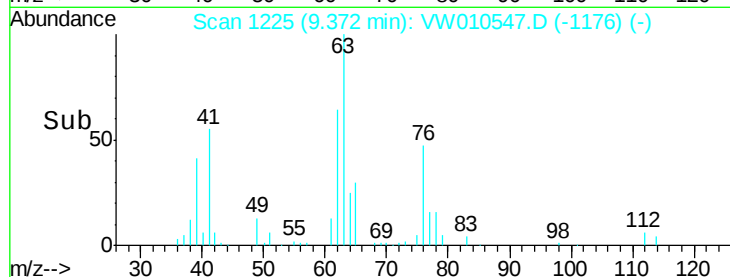
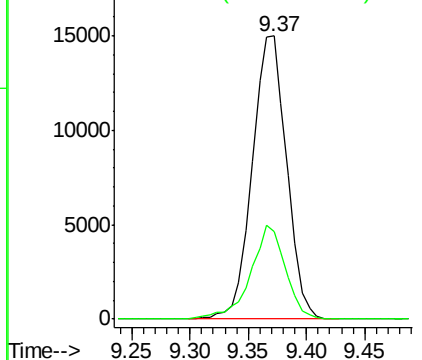
MMDadoda

5/28/2019 12:01:21 PM



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 64.90 (64.60 to 65.60): VW



#46

Dibromomethane

Concen: 21.045 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW010547.D

Acq: 24 May 2019 13:42

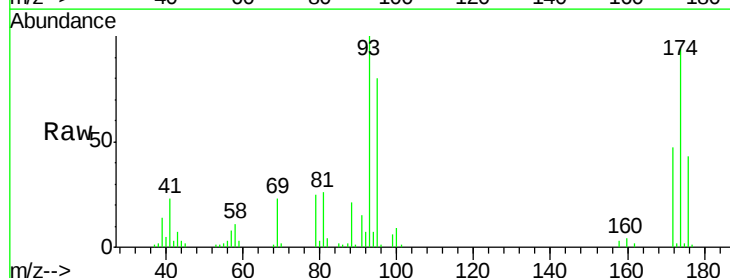
Tgt Ion: 93 Resp: 18572

Ion Ratio Lower Upper

93 100

95 81.0 66.1 99.1

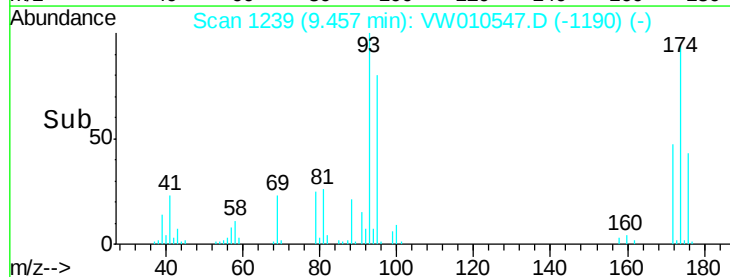
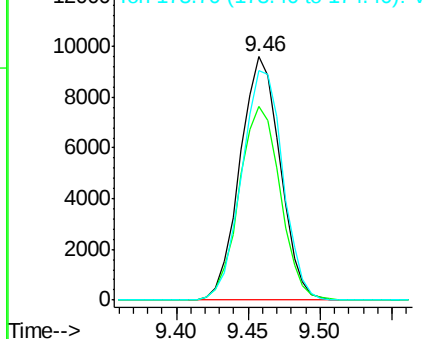
174 96.3 77.1 115.7

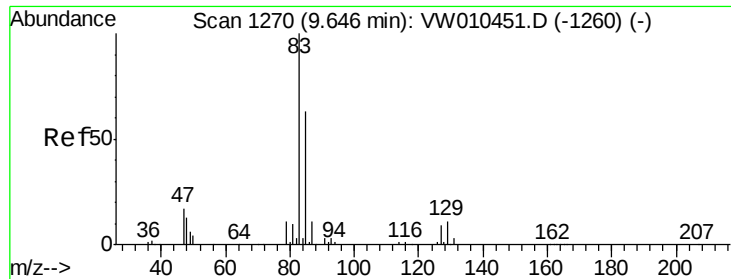


Abundance Ion 92.80 (92.50 to 93.50): VW

Ion 94.80 (94.50 to 95.50): VW

Ion 173.70 (173.40 to 174.40): V





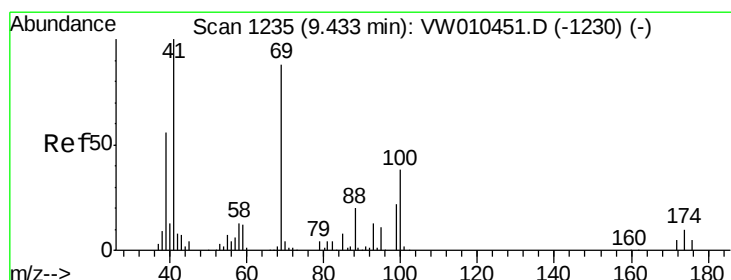
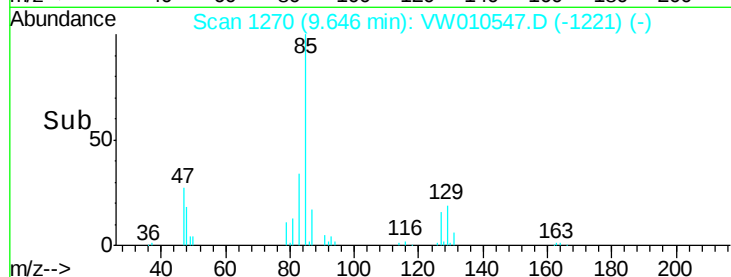
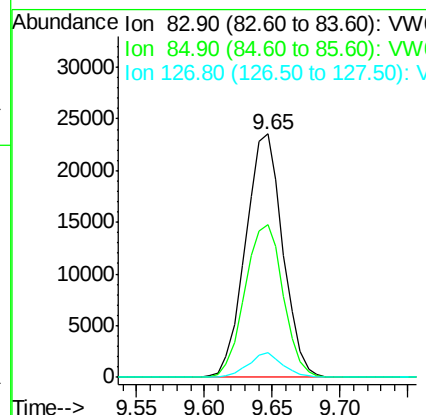
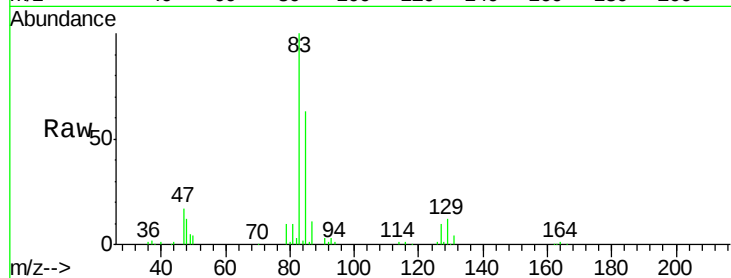
#47
 Bromodichloromethane
 Concen: 20.369 ug/l
 RT: 9.65 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VW010547.D
 Acq: 24 May 2019 13:42

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0524SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
85	62.7	50.4	75.6
127	10.2	7.4	11.0

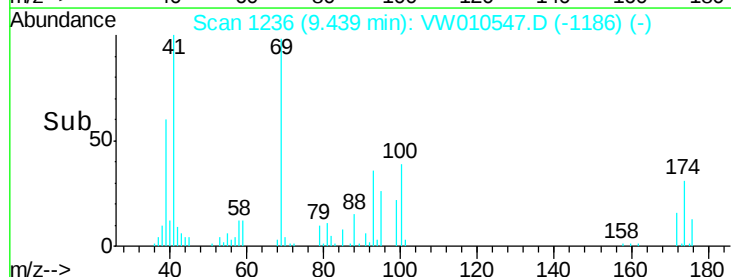
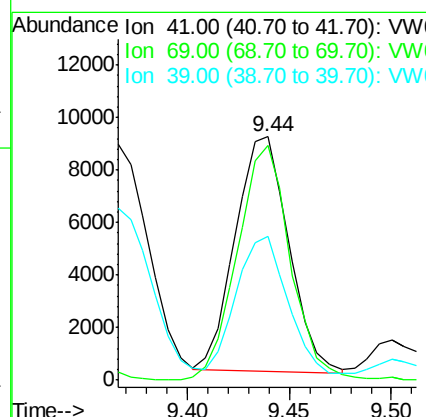
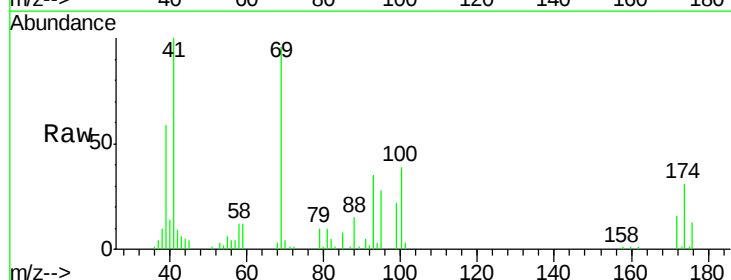
Manual Integrations
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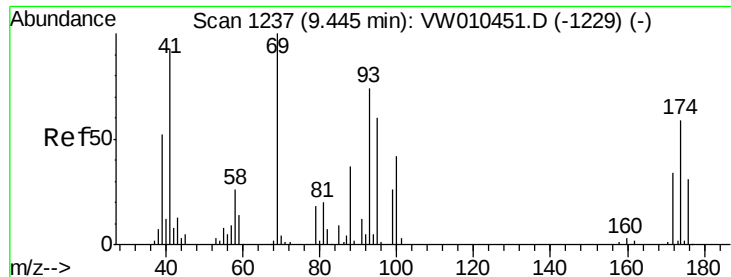
MMDadoda
 5/28/2019 12:01:21 PM



#48
 Methyl methacrylate
 Concen: 18.312 ug/l
 RT: 9.44 min Scan# 1236
 Delta R.T. 0.01 min
 Lab File: VW010547.D
 Acq: 24 May 2019 13:42

Tgt Ion	Ratio	Lower	Upper
41	100		
69	99.4	77.6	116.4
39	55.5	49.8	74.8





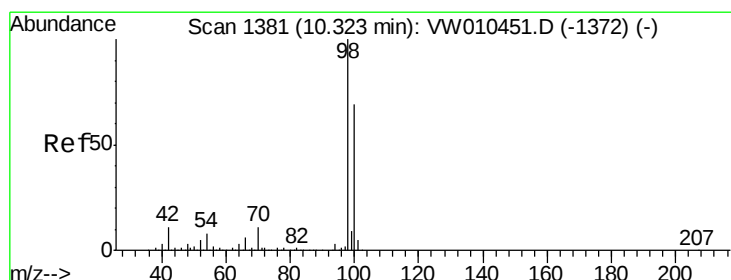
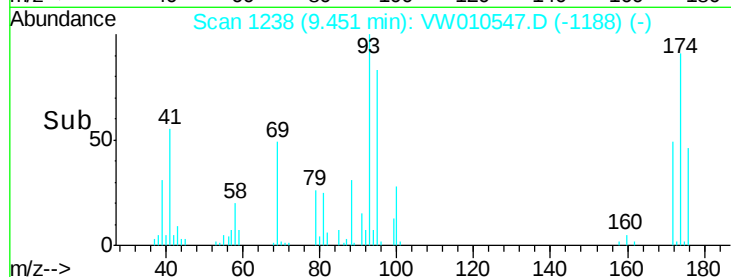
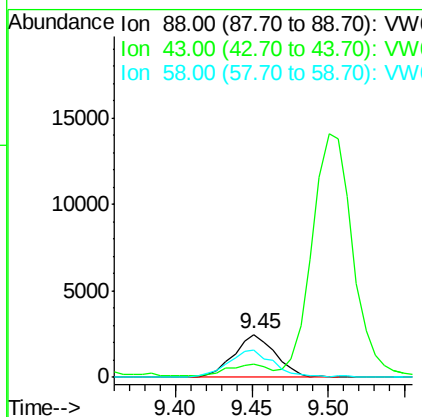
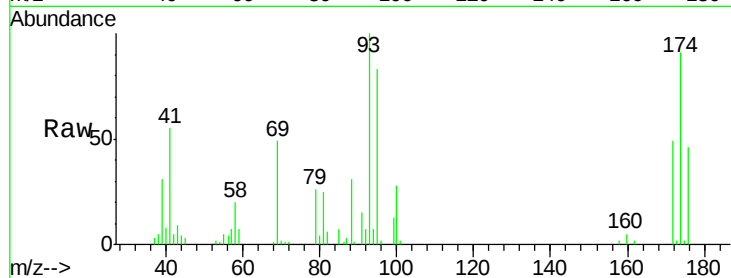
#49
1,4-Dioxane
Concen: 325.469 ug/l
RT: 9.45 min Scan# 1238
Delta R.T. 0.01 min
Lab File: VW010547.D
Acq: 24 May 2019 13:42

Instrument :
MSVOA_W
ClientSampleId :
VW0524SBSD01

Tot Ion	88	Resp	4692
Ion	Ratio	Lower	Upper
88	100		
43	24.6	25.9	38.9#
58	69.5	52.7	79.1

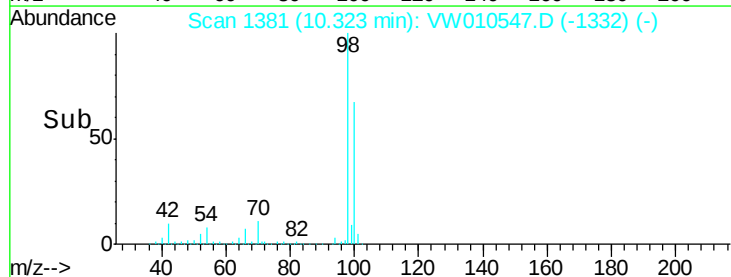
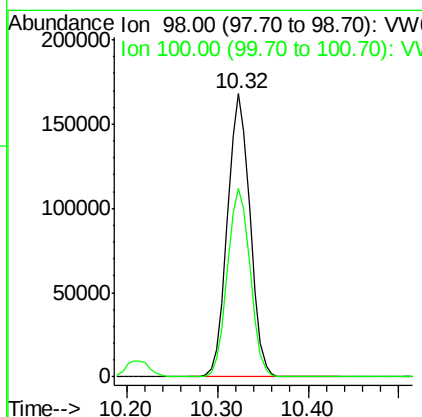
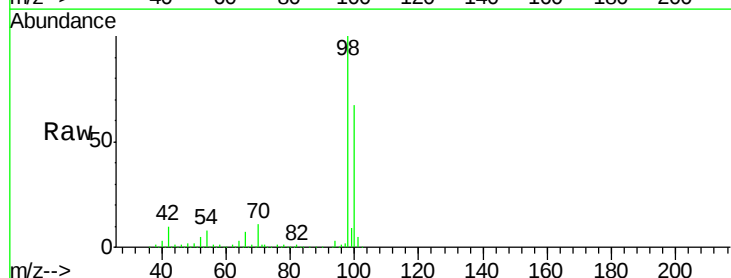
Manual Integrations
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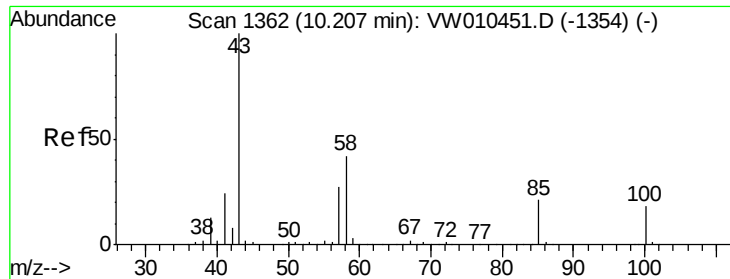
MMDadoda
5/28/2019 12:01:21 PM



#50
Toluene-d8
Concen: 50.991 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW010547.D
Acq: 24 May 2019 13:42

Tgt Ion	98	Resp	290056
Ion	Ratio	Lower	Upper
98	100		
100	67.2	53.7	80.5





#51

4-Methyl-2-Pentanone

Concen: 92.948 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.01 min

Lab File: VW010547.D

Acq: 24 May 2019 13:42

Instrument :

MSVOA_W

ClientSampleId :

VW0524SBS01

Tot Ion: 43 Resp: 91469

Ion Ratio Lower Upper

43 100

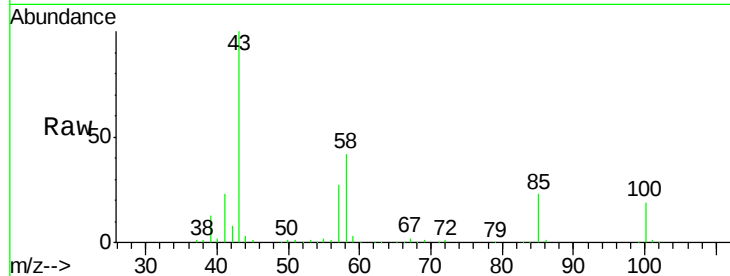
58 42.0 33.2 49.8

Manual Integrations

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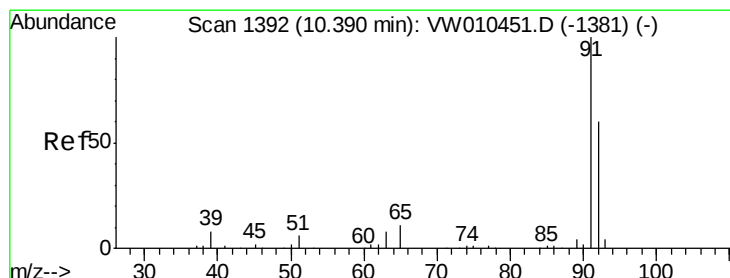
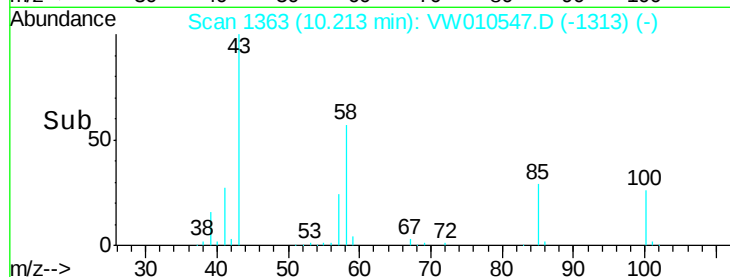
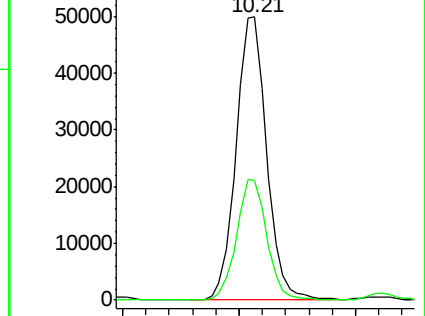
MMDadoda

5/28/2019 12:01:21 PM



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#52

Toluene

Concen: 20.966 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW010547.D

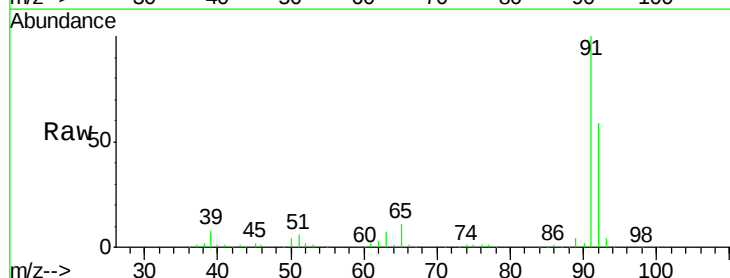
Acq: 24 May 2019 13:42

Tgt Ion: 92 Resp: 89461

Ion Ratio Lower Upper

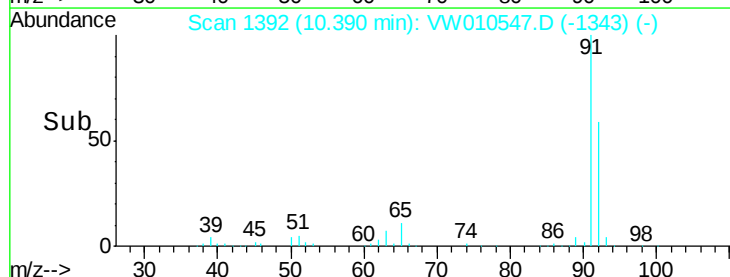
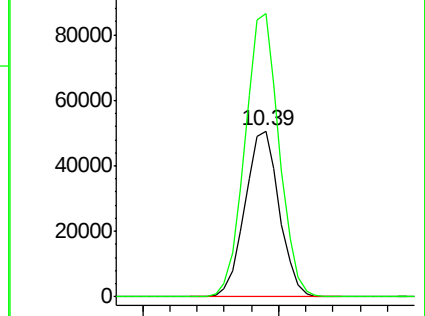
92 100

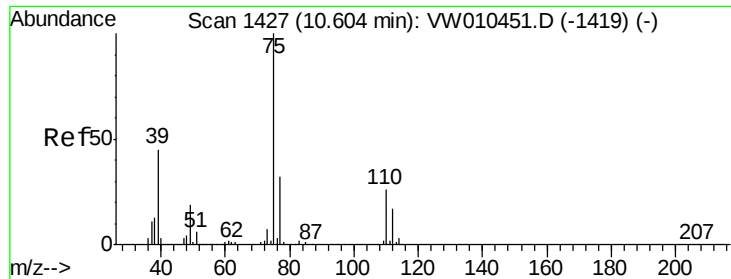
91 169.4 135.4 203.0



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW





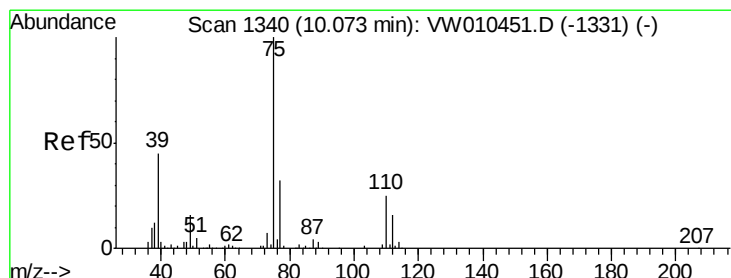
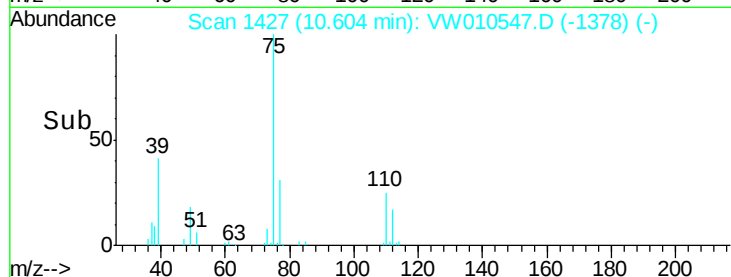
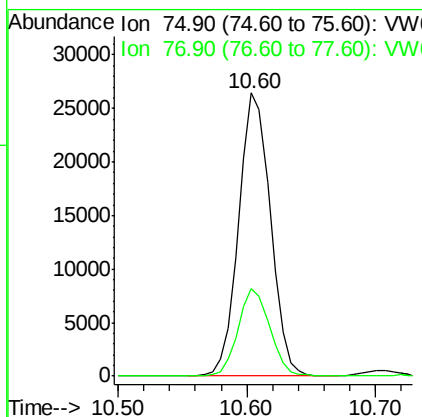
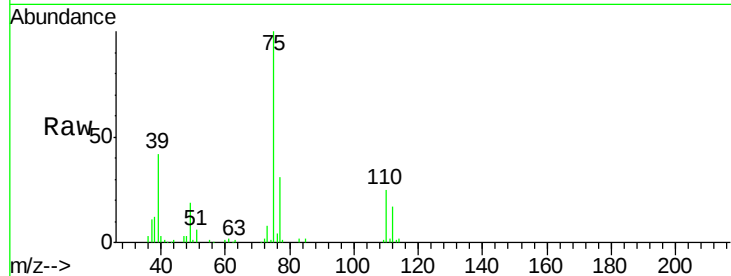
#53
 t-1,3-Dichloropropene
 Concen: 20.093 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. 0.00 min
 Lab File: VW010547.D
 Acq: 24 May 2019 13:42

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0524SBSD01

Tot Ion	75	Resp	45130
Ion Ratio	Lower	Upper	
75	100		
77	30.9	25.4	38.0

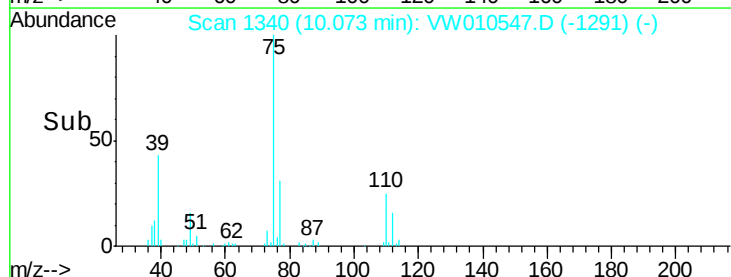
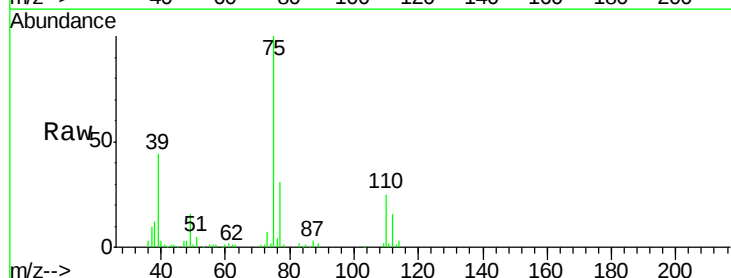
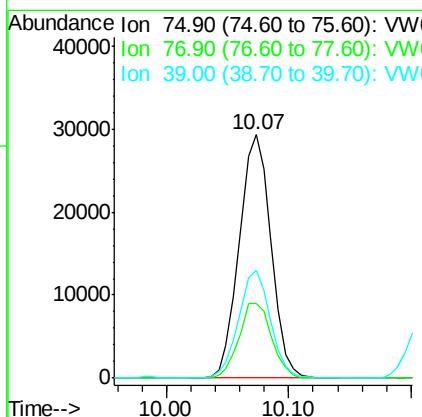
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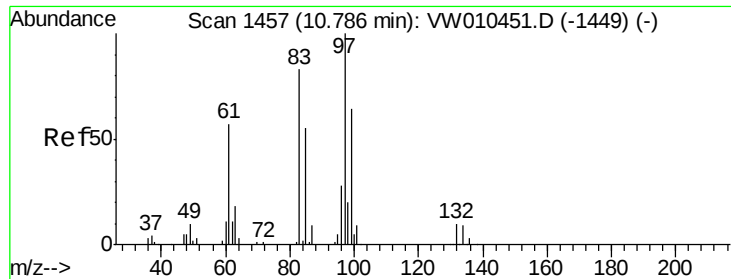
MMDadoda
 5/28/2019 12:01:21 PM



#54
 cis-1,3-Dichloropropene
 Concen: 20.573 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW010547.D
 Acq: 24 May 2019 13:42

Tgt Ion	75	Resp	52772
Ion Ratio	Lower	Upper	
75	100		
77	30.5	25.7	38.5
39	44.2	36.2	54.4





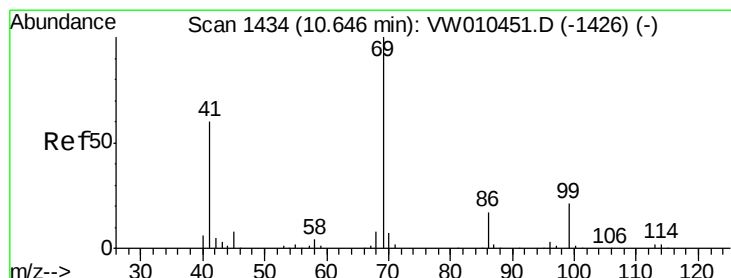
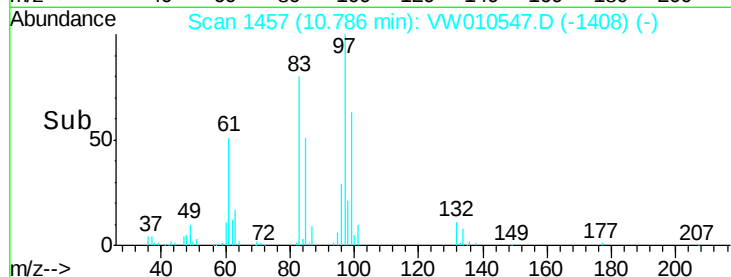
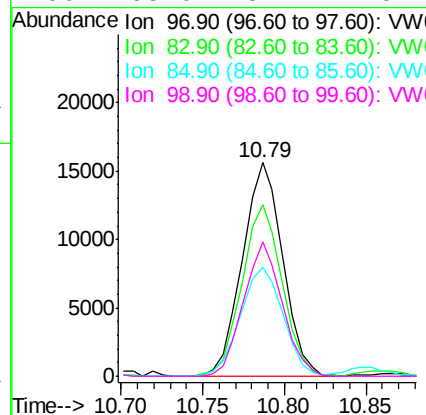
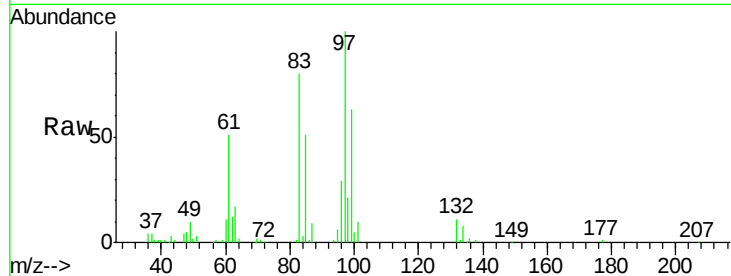
#55
 1,1,2-Trichloroethane
 Concen: 21.148 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW010547.D
 Acq: 24 May 2019 13:42

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0524SBSD01

Tot Ion:	97	Resp:	26837
Ion	Ratio	Lower	Upper
97	100		
83	80.4	66.1	99.1
85	50.9	44.2	66.4
99	63.0	51.1	76.7

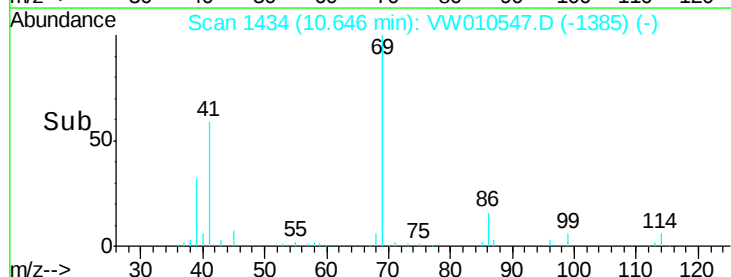
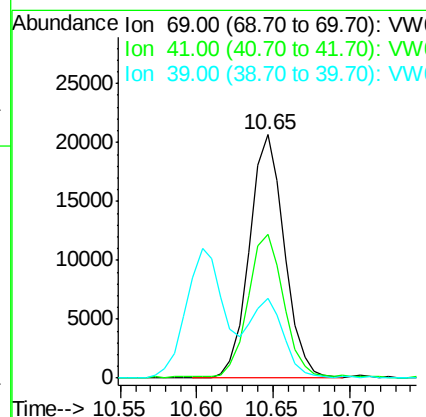
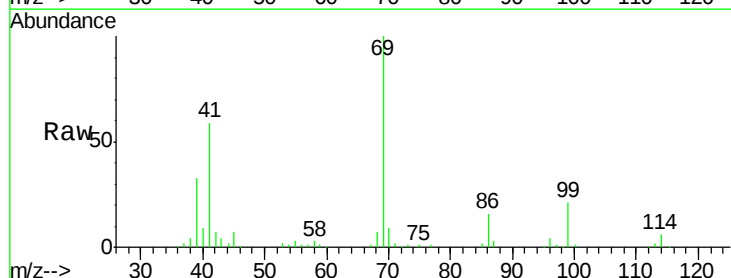
Manual Integrations
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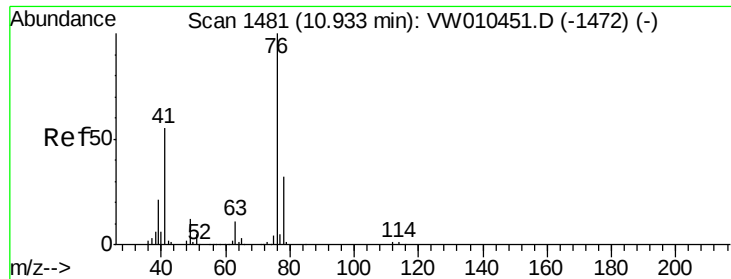
MMDadoda
 5/28/2019 12:01:21 PM



#56
 Ethyl methacrylate
 Concen: 18.749 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW010547.D
 Acq: 24 May 2019 13:42

Tgt Ion:	69	Resp:	32814
Ion	Ratio	Lower	Upper
69	100		
41	60.6	47.7	71.5
39	31.8	25.3	37.9





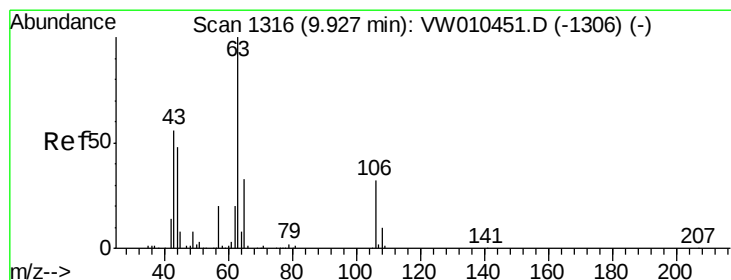
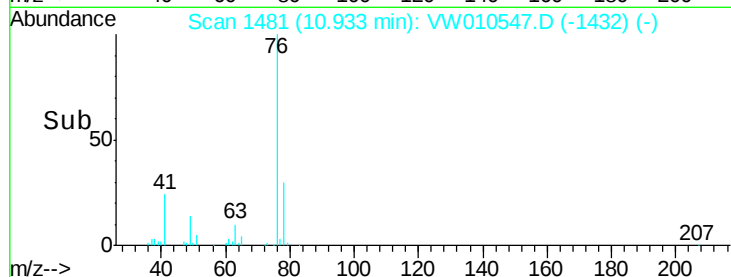
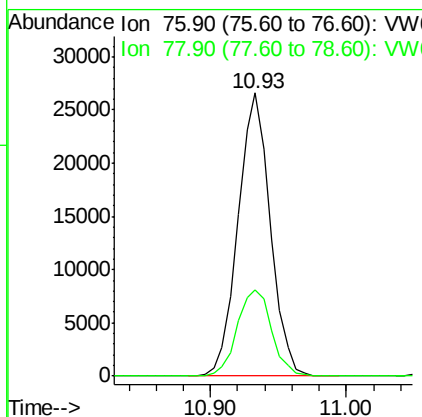
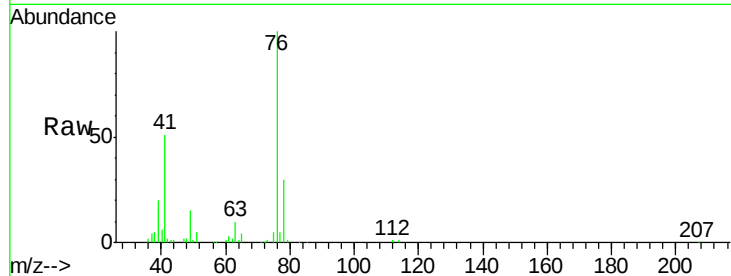
#57
 1,3-Dichloropropane
 Concen: 20.713 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW010547.D
 Acq: 24 May 2019 13:42

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0524SBS01

Tot Ion: 76 Resp: 44030
 Ion Ratio Lower Upper
 76 100
 78 32.3 26.2 39.2

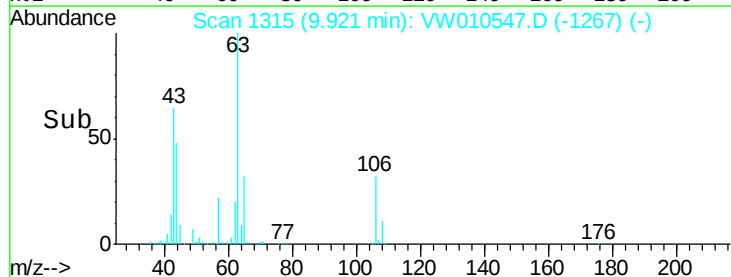
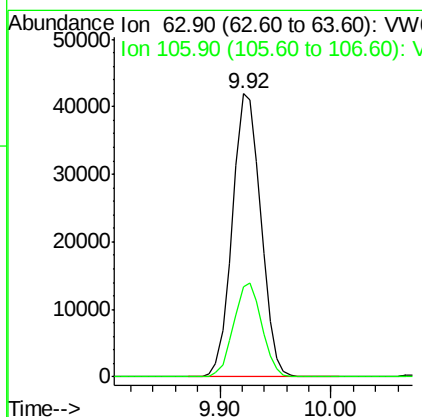
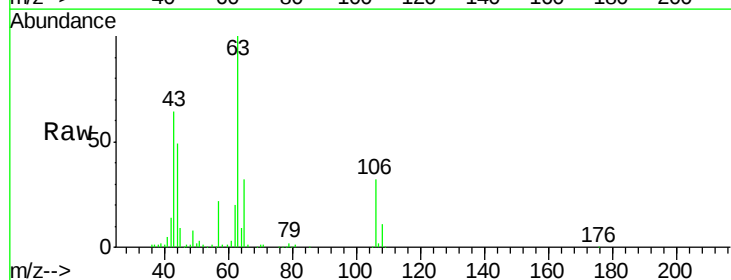
Manual Integrations
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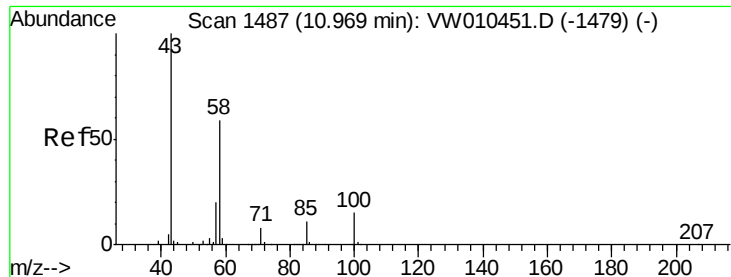
MMDadoda
 5/28/2019 12:01:21 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 95.773 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.01 min
 Lab File: VW010547.D
 Acq: 24 May 2019 13:42

Tgt Ion: 63 Resp: 74245
 Ion Ratio Lower Upper
 63 100
 106 32.7 25.8 38.6





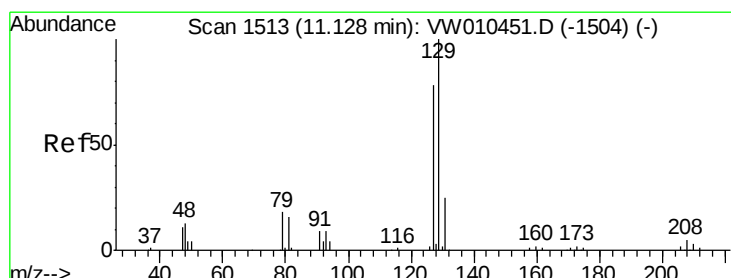
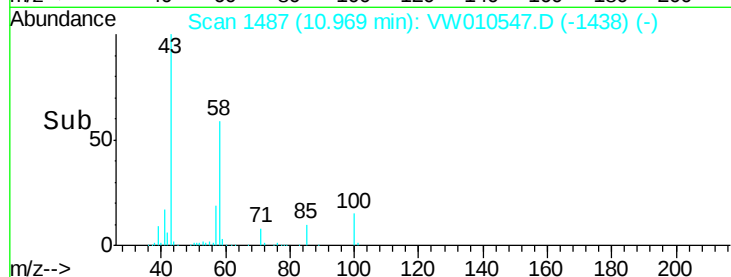
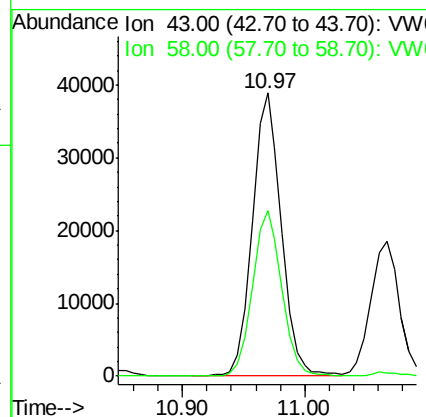
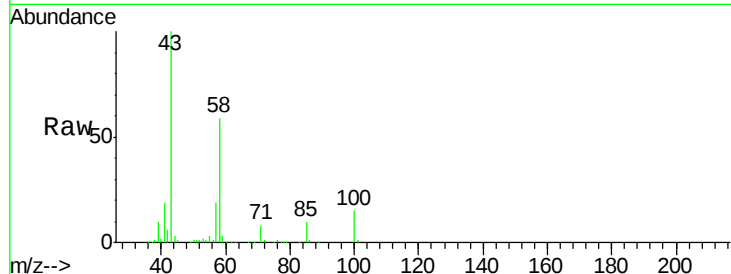
#59
2-Hexanone
Concen: 91.176 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW010547.D
Acq: 24 May 2019 13:42

Instrument :
MSVOA_W
ClientSampleId :
VW0524SBSD01

Tot Ion: 43 Resp: 64005
Ion Ratio Lower Upper
43 100
58 58.8 28.9 86.8

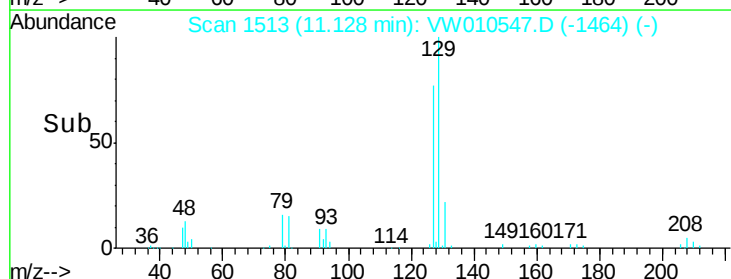
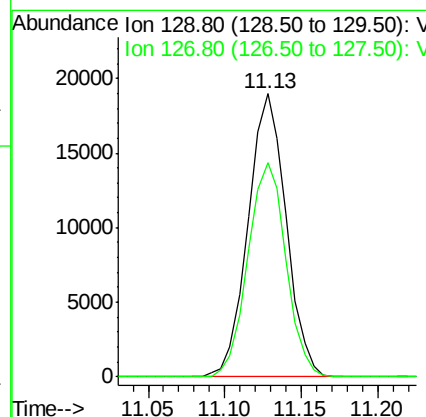
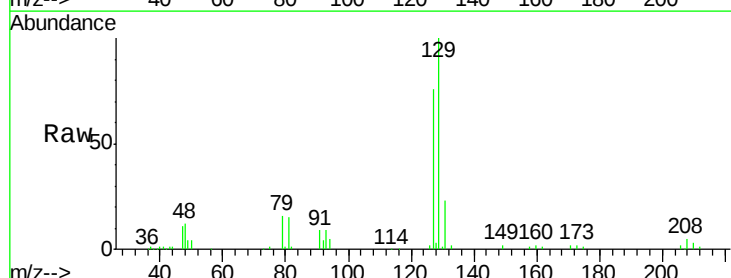
Manual Integrations
APPROVED

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#60
Dibromochloromethane
Concen: 20.422 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW010547.D
Acq: 24 May 2019 13:42

Tgt Ion: 129 Resp: 32799
Ion Ratio Lower Upper
129 100
127 75.8 38.9 116.7





#61

1,2-Dibromoethane

Concen: 20.595 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. 0.00 min

Lab File: VW010547.D

Acq: 24 May 2019 13:42

Instrument :

MSVOA_W

ClientSampled :

VW0524SBS01

Tot Ion:107 Resp: 26475

Ion Ratio Lower Upper

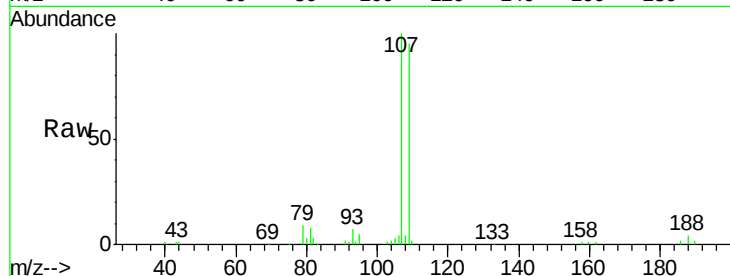
107 100

109 93.1 75.0 112.4

Manual Integrations
APPROVED

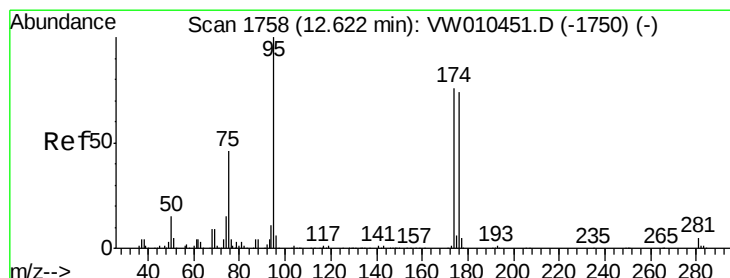
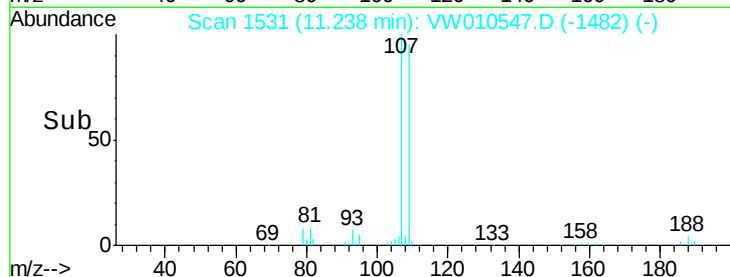
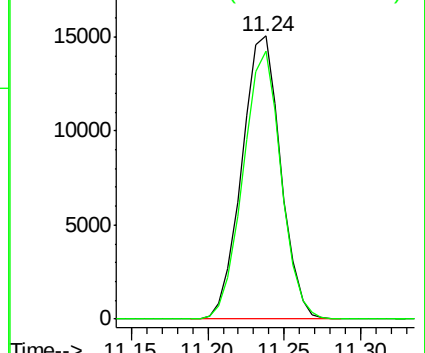
MMDadoda

5/28/2019 12:01:21 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 49.264 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW010547.D

Acq: 24 May 2019 13:42

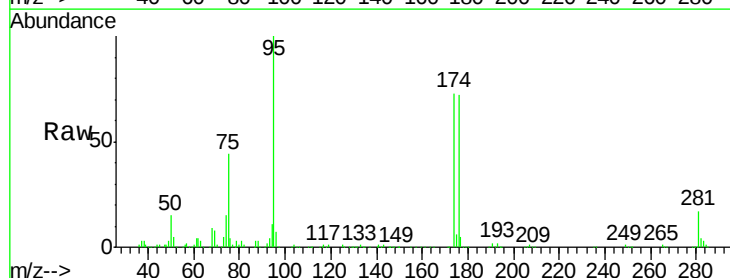
Tgt Ion: 95 Resp: 111620

Ion Ratio Lower Upper

95 100

174 73.2 0.0 148.6

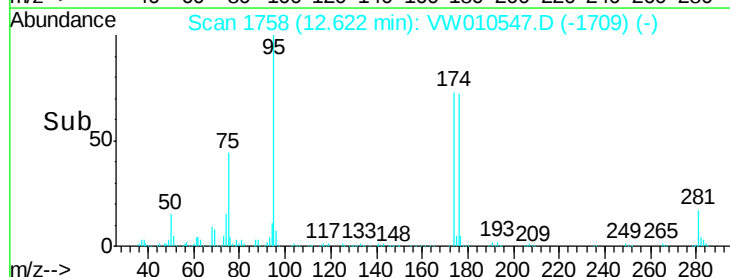
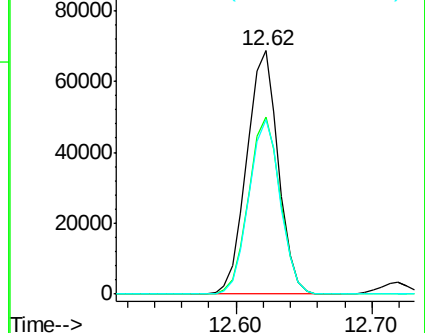
176 71.4 0.0 144.2



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





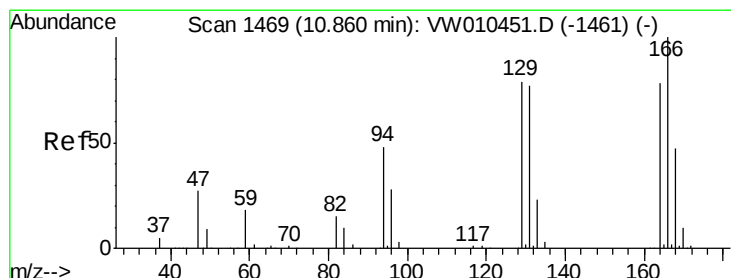
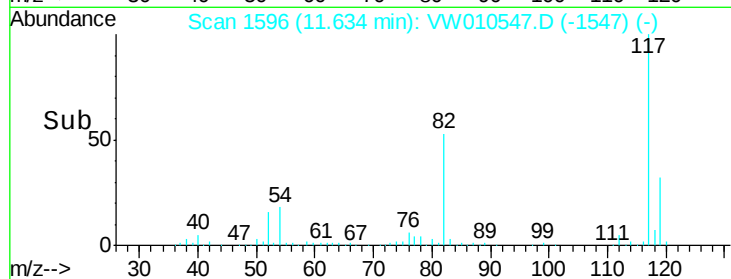
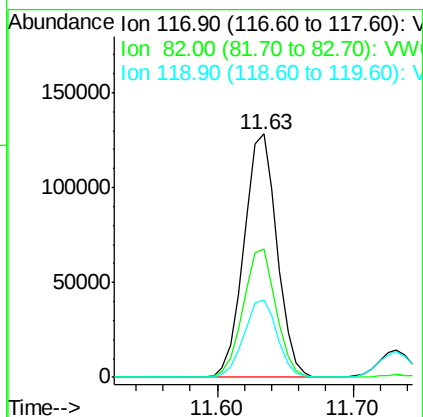
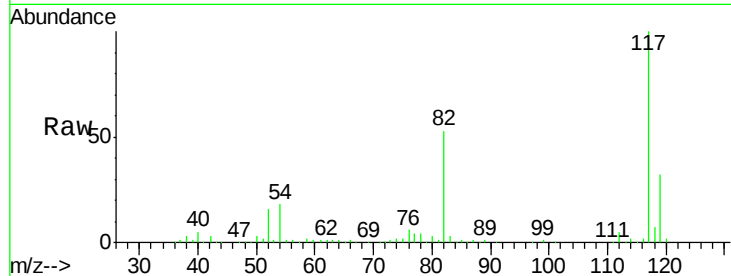
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW010547.D
Acq: 24 May 2019 13:42

Instrument :
MSVOA_W
ClientSampleId :
VW0524SBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.6	42.8	64.2
119	31.8	26.3	39.5

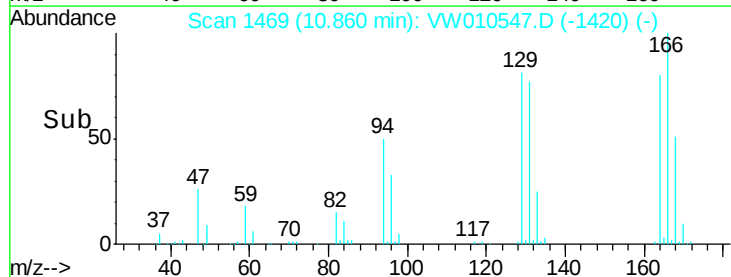
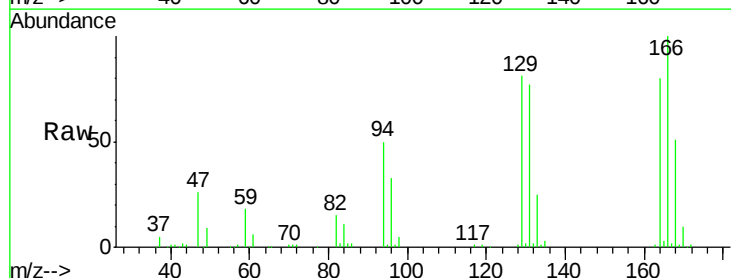
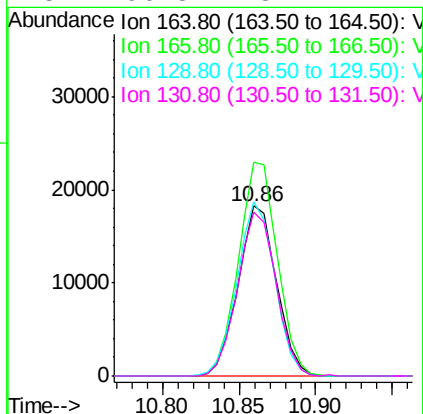
Manual Integrations
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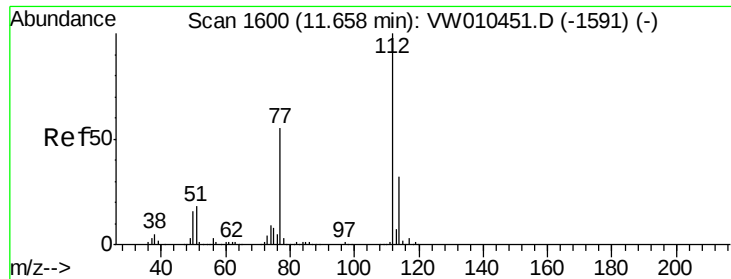
MMDadoda
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#64
Tetrachloroethene
Concen: 21.018 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW010547.D
Acq: 24 May 2019 13:42

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.7	101.9	152.9
129	102.3	80.6	121.0
131	96.8	78.2	117.2





#65

Chlorobenzene

Concen: 21.445 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW010547.D

Acq: 24 May 2019 13:42

Instrument :

MSVOA_W

ClientSampleId :

VW0524SBSD01

Tot Ion:112 Resp: 99538

Ion Ratio Lower Upper

112 100

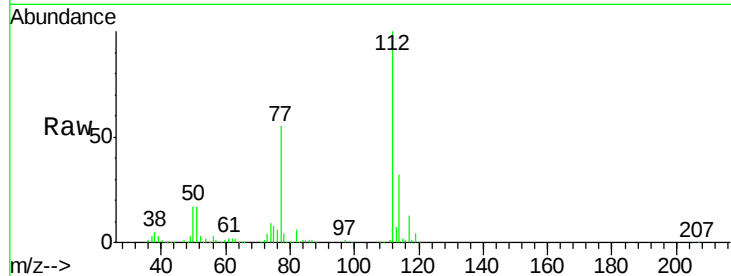
114 32.3 25.3 37.9

Manual Integrations

APPROVED

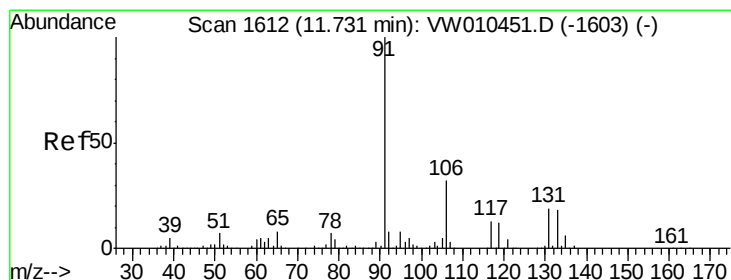
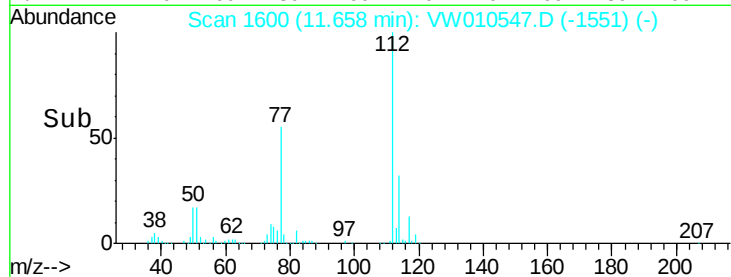
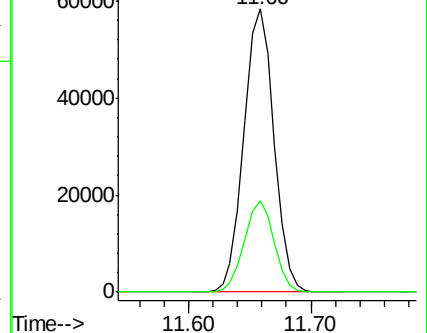
MMDadoda

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 21.355 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW010547.D

Acq: 24 May 2019 13:42

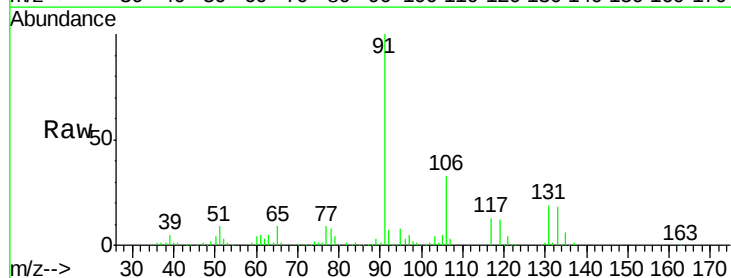
Tgt Ion:131 Resp: 35508

Ion Ratio Lower Upper

131 100

133 93.9 47.3 141.9

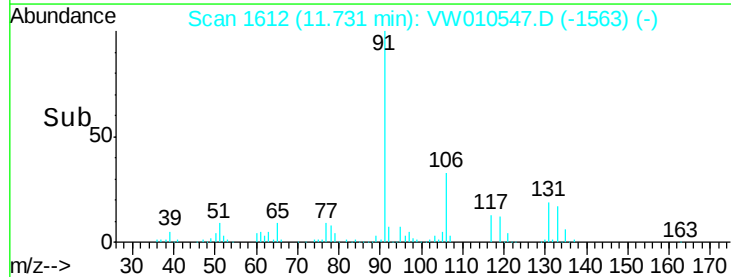
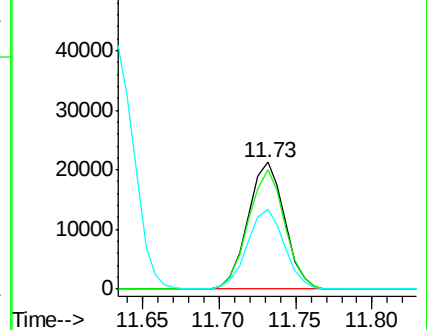
119 63.6 32.1 96.5

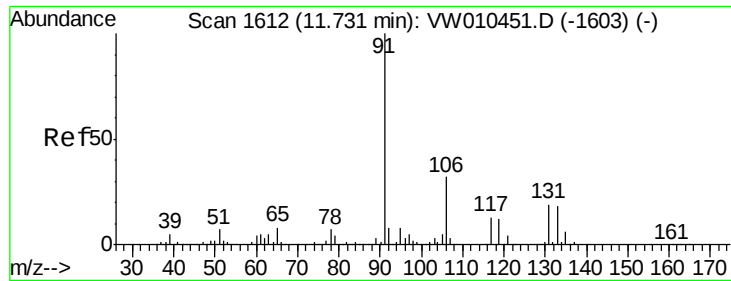


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





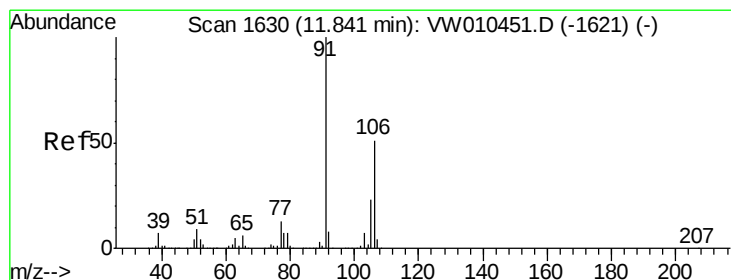
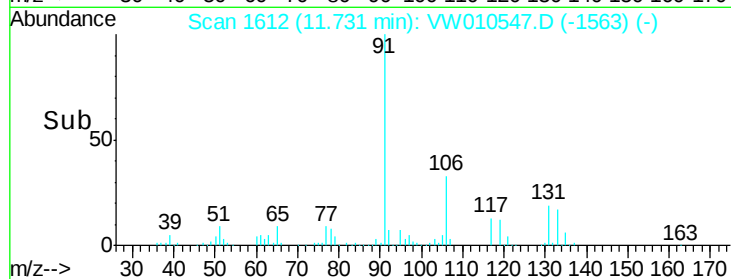
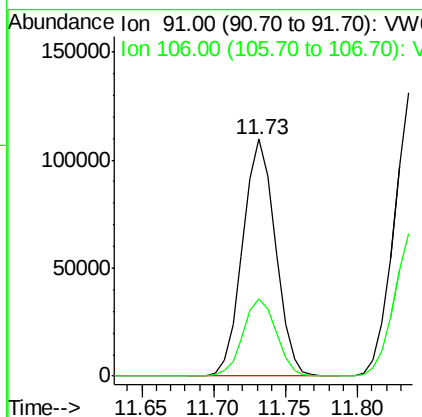
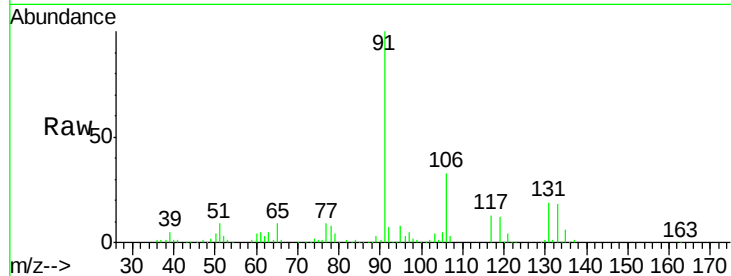
#67
Ethyl Benzene
Concen: 21.094 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW010547.D
Acq: 24 May 2019 13:42

Instrument :
MSVOA_W
ClientSampleId :
VW0524SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
106	32.9	25.9	38.9

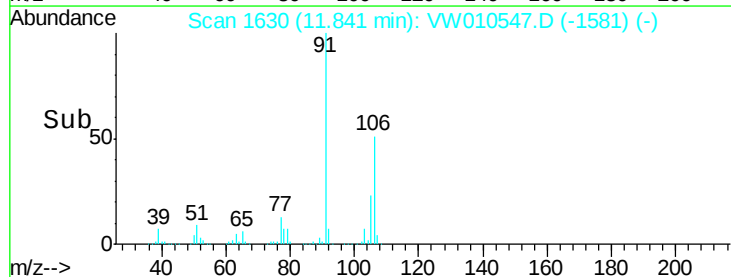
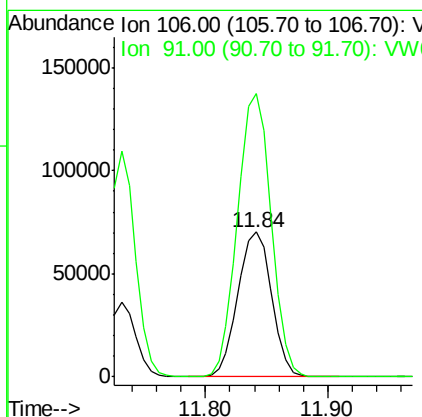
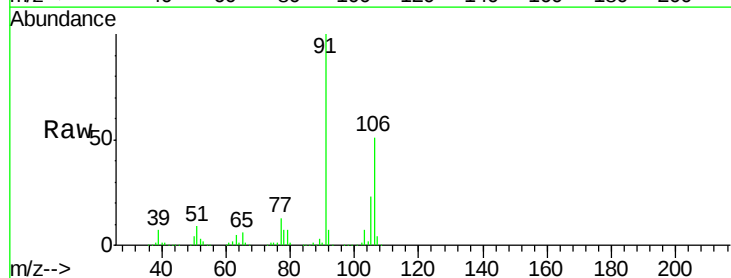
Manual Integrations
APPROVED

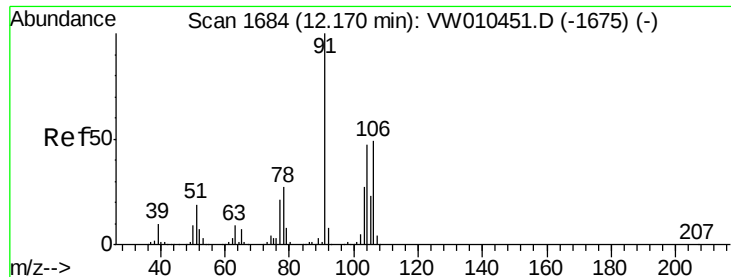
MMDadoda
5/28/2019 12:01:21 PM



#68
m/p-Xylenes
Concen: 41.887 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW010547.D
Acq: 24 May 2019 13:42

Tgt Ion	Ratio	Lower	Upper
106	100		
91	195.1	156.0	234.0





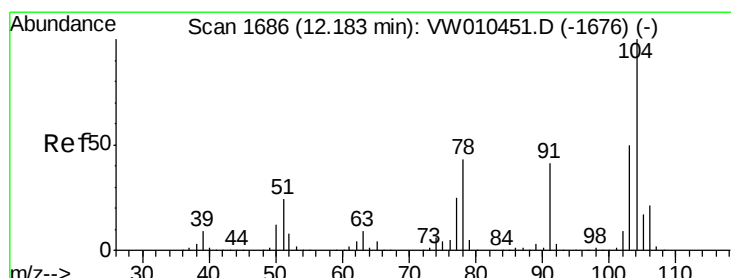
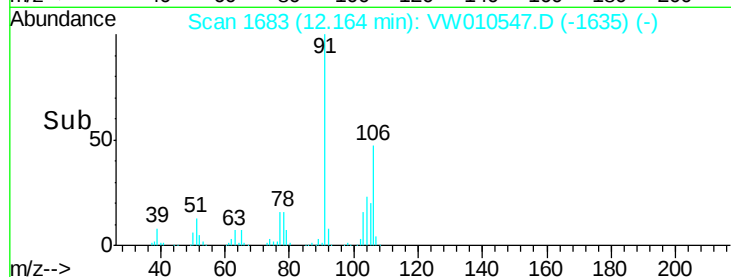
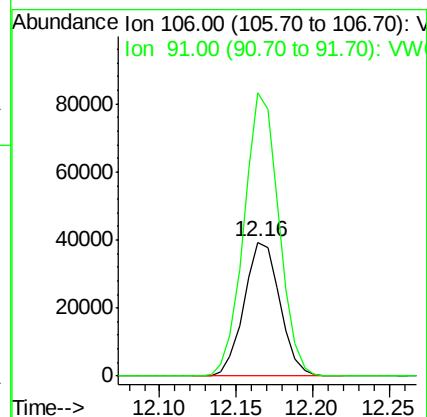
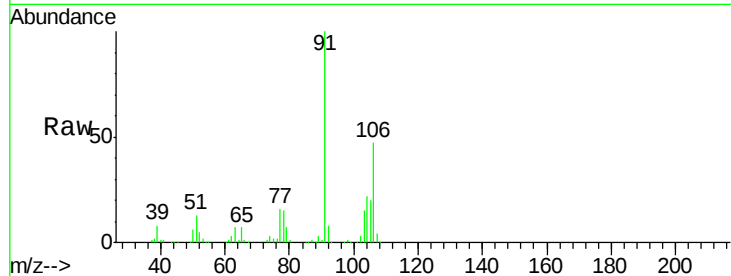
#69
o-Xylene
Concen: 20.970 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW010547.D
Acq: 24 May 2019 13:42

Instrument :
MSVOA_W
ClientSampleId :
VW0524SBS01

Tot Ion:106 Resp: 63862
Ion Ratio Lower Upper
106 100
91 206.4 103.2 309.4

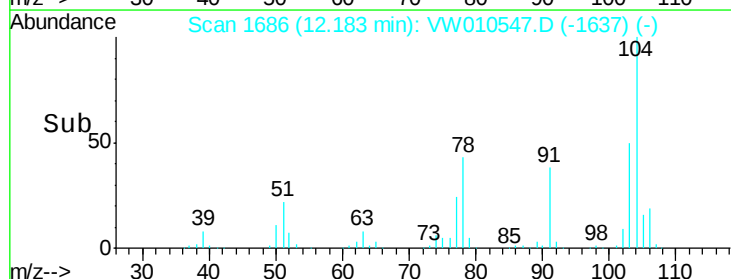
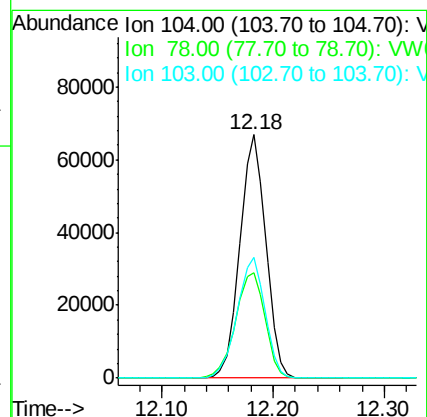
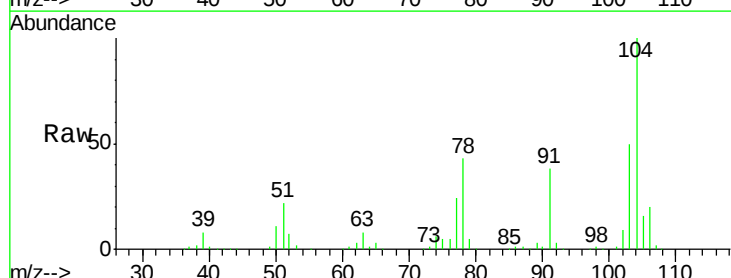
Manual Integrations
APPROVED

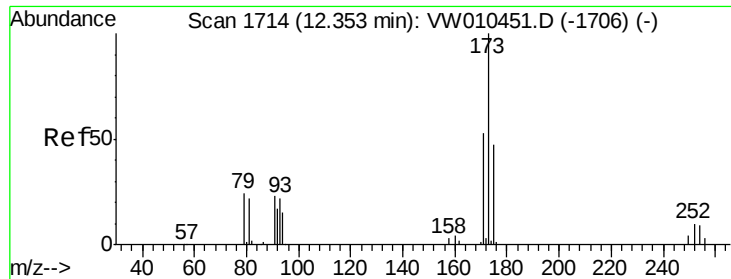
MMDadoda
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#70
Styrene
Concen: 20.860 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW010547.D
Acq: 24 May 2019 13:42

Tgt Ion:104 Resp: 107784
Ion Ratio Lower Upper
104 100
78 49.1 39.0 58.4
103 53.1 43.0 64.6





#71

Bromoform

Concen: 18.978 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.01 min

Lab File: VW010547.D

Acq: 24 May 2019 13:42

Instrument :

MSVOA_W

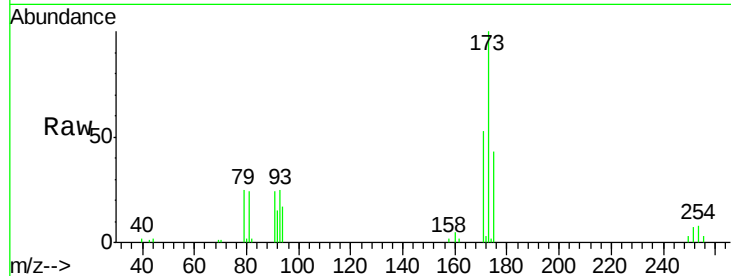
ClientSampleId :

VW0524SBS01

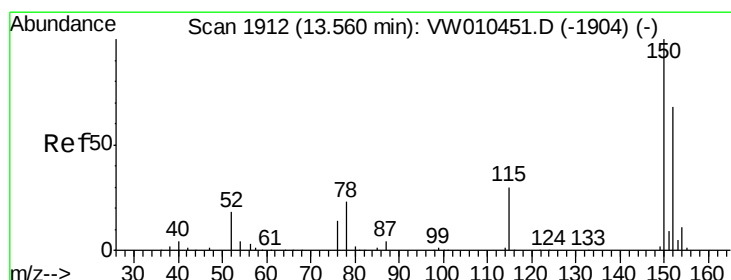
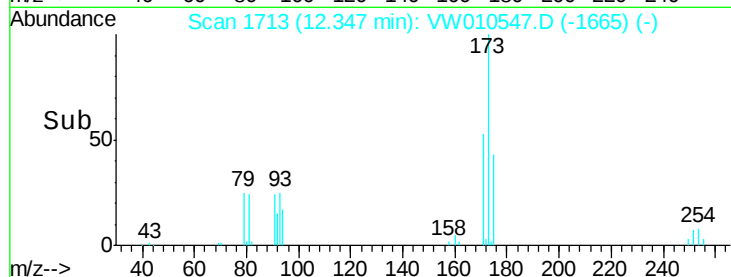
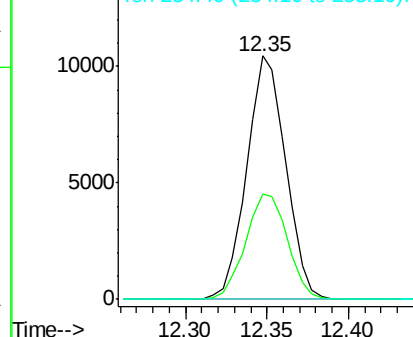
Tot Ion:	173	Resp:	17377
Ion Ratio	Lower	Upper	
173	100		
175	46.4	24.4	73.4
254	0.0	0.0	0.0

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

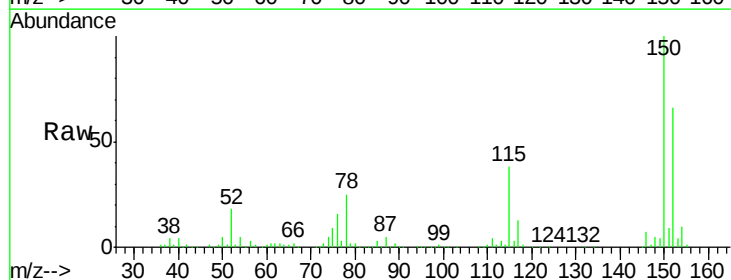
RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

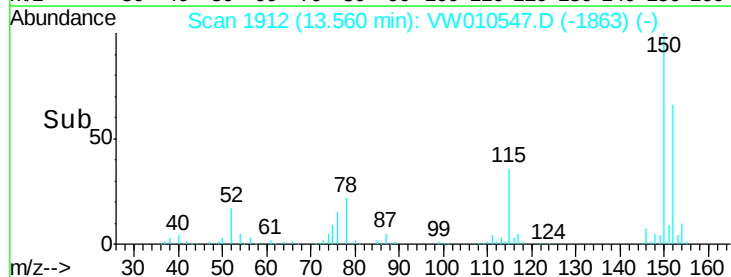
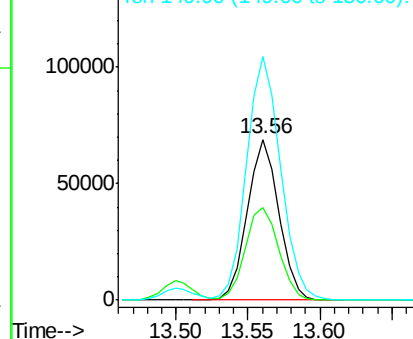
Lab File: VW010547.D

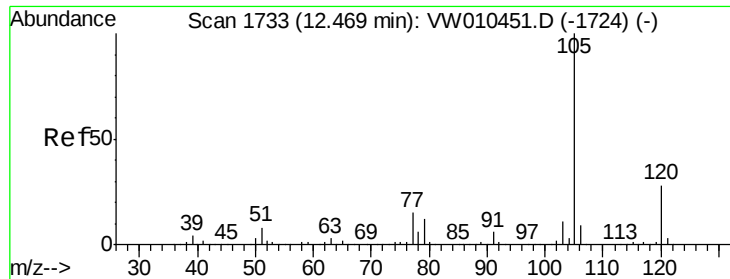
Acq: 24 May 2019 13:42

Tgt Ion:	152	Resp:	104190
Ion Ratio	Lower	Upper	
152	100		
115	61.1	30.3	91.0
150	163.8	0.0	349.8



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





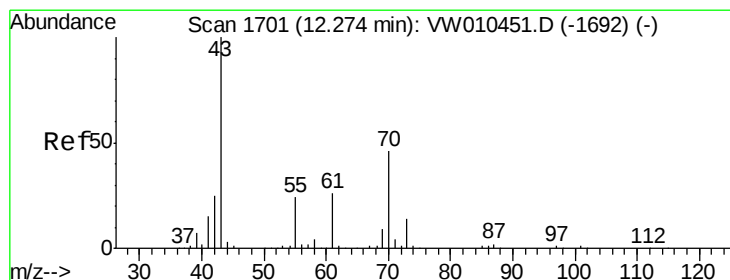
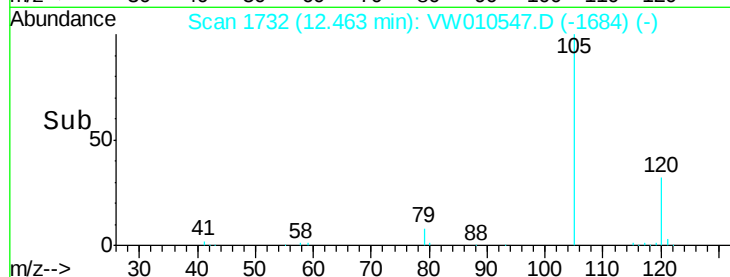
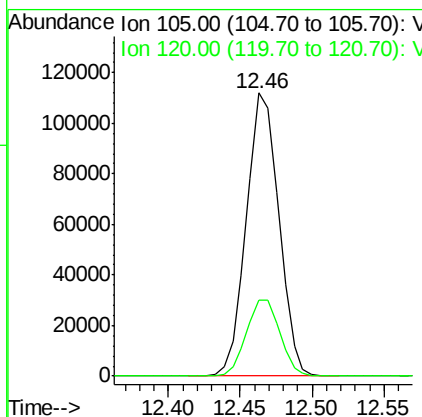
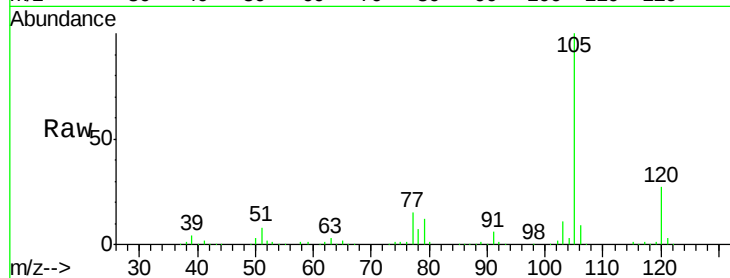
#73
Isopropylbenzene
Concen: 21.192 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. -0.01 min
Lab File: VW010547.D
Acq: 24 May 2019 13:42

Instrument :
MSVOA_W
ClientSampleId :
VW0524SBSD01

Tot Ion: 105 Resp: 175209
Ion Ratio Lower Upper
105 100
120 27.7 13.9 41.7

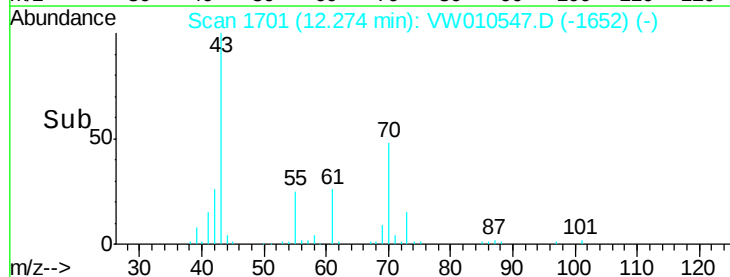
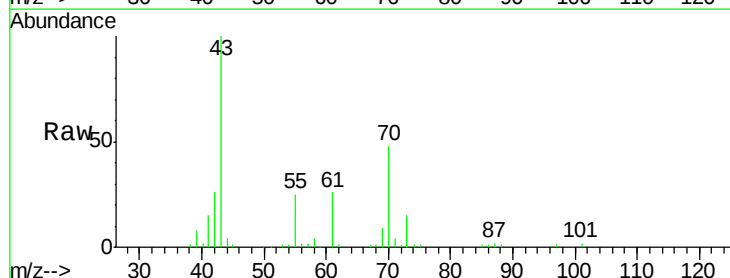
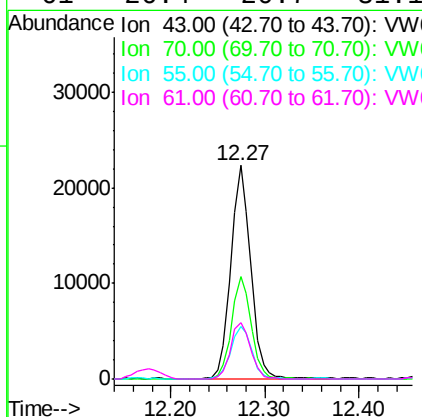
Manual Integrations
APPROVED

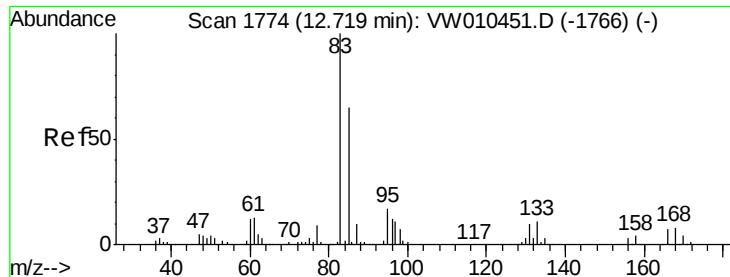
MMDadoda
5/28/2019 12:01:21 PM



#74
N-ethyl acetate
Concen: 17.387 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. 0.00 min
Lab File: VW010547.D
Acq: 24 May 2019 13:42

Tgt Ion: 43 Resp: 32941
Ion Ratio Lower Upper
43 100
70 47.3 37.1 55.7
55 25.8 19.6 29.4
61 26.4 20.7 31.1





#75

1,1,2,2-Tetrachloroethane

Concen: 19.613 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.01 min

Lab File: VW010547.D

Acq: 24 May 2019 13:42

Instrument :

MSVOA_W

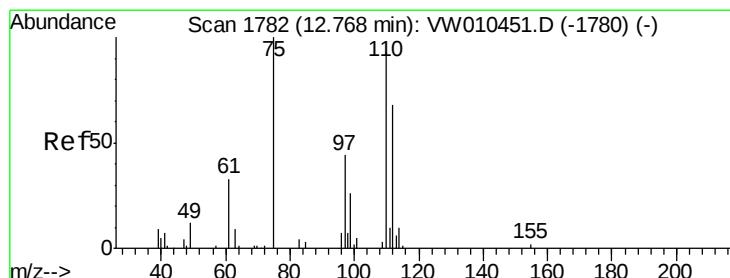
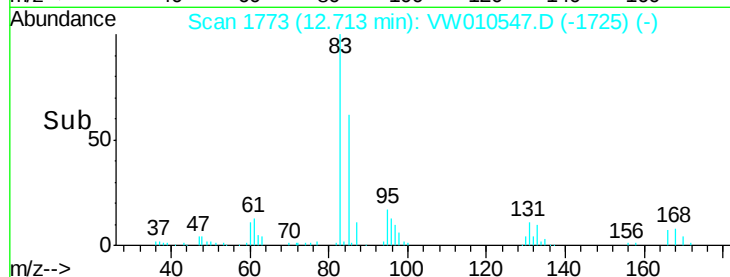
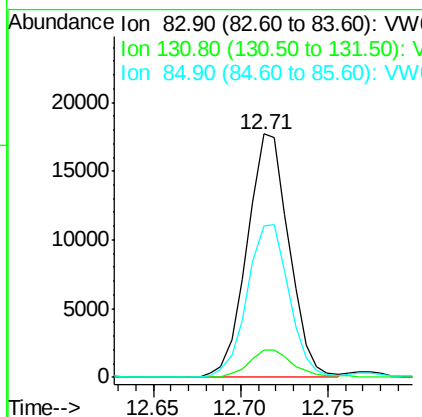
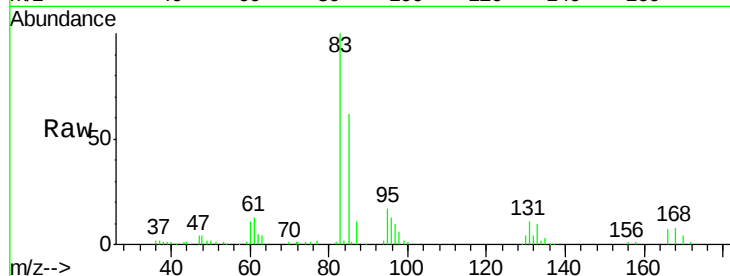
ClientSampleId :

VW0524SBSD01

Tot Ion:	83	Resp:	29494
Ion Ratio	Lower	Upper	
83	100		
131	11.9	5.6	16.8
85	62.9	32.4	97.0

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#76

1,2,3-Trichloropropane

Concen: 22.598 ug/l m

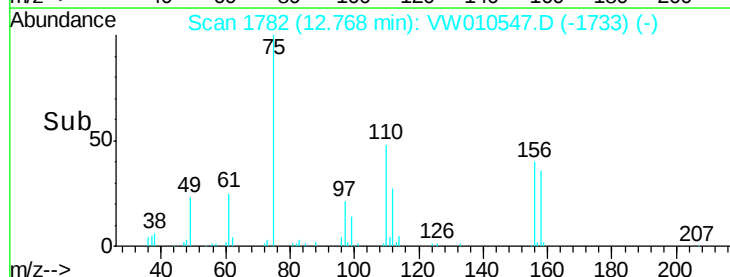
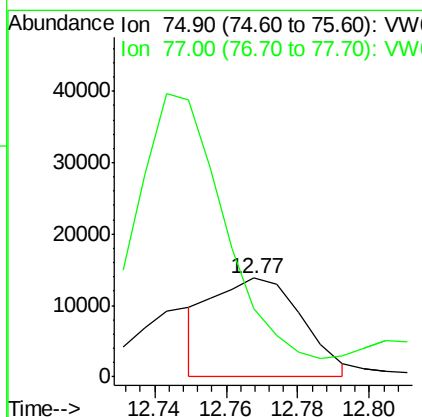
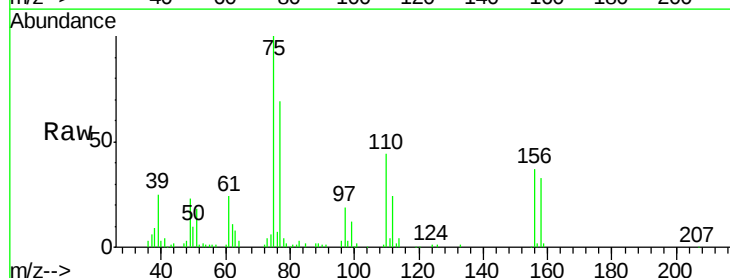
RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW010547.D

Acq: 24 May 2019 13:42

Tgt Ion:	75	Resp:	23900
Ion Ratio	Lower	Upper	
75	100		
77	0.0	170.0	510.1#





#77

Bromobenzene

Concen: 21.691 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW010547.D

Acq: 24 May 2019 13:42

Instrument :

MSVOA_W

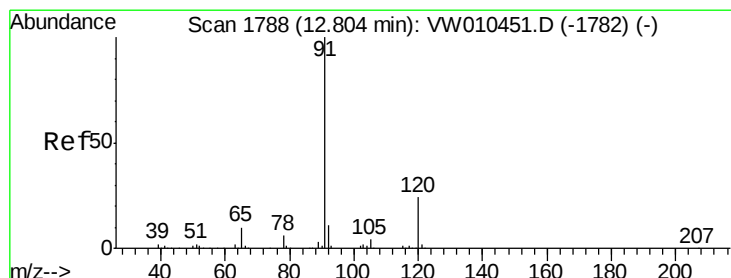
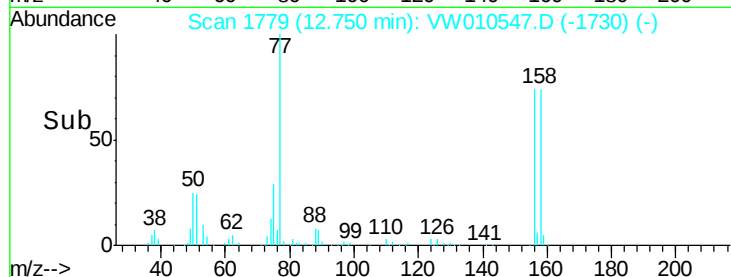
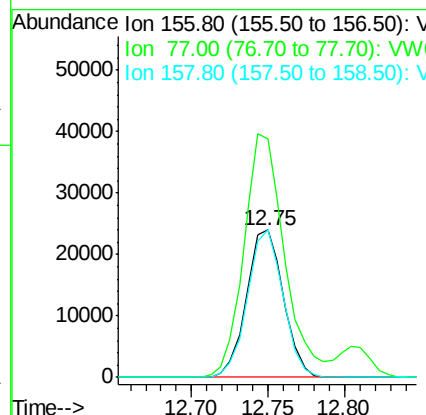
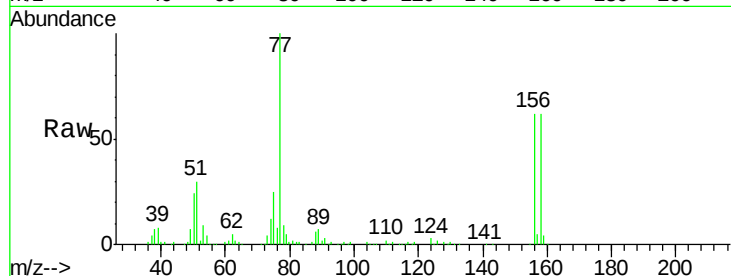
ClientSampleId :

VW0524SBSD01

Tot Ion	Ratio	Lower	Upper
156	100		
77	181.1	92.4	277.2
158	96.6	48.3	144.8

Manual Integrations
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MMDadoda
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#78

n-propylbenzene

Concen: 20.624 ug/l

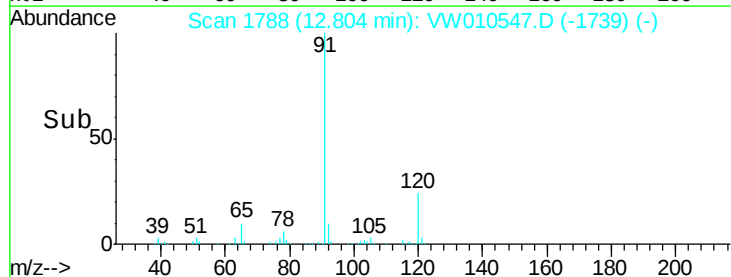
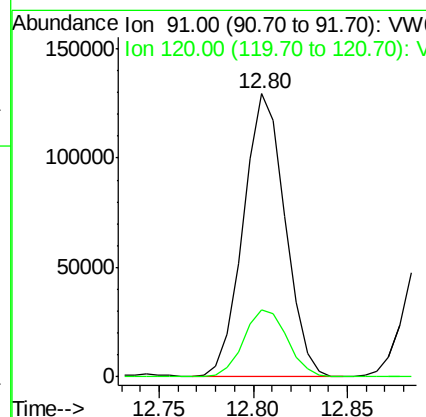
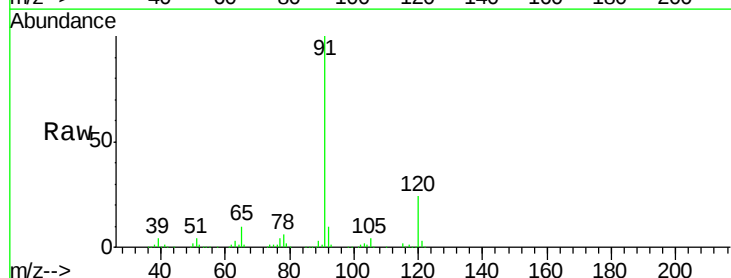
RT: 12.80 min Scan# 1788

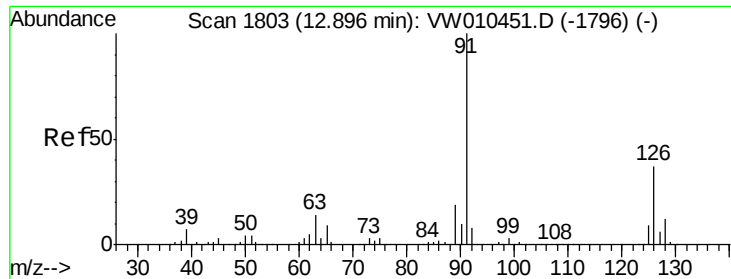
Delta R.T. 0.00 min

Lab File: VW010547.D

Acq: 24 May 2019 13:42

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.7	12.3	36.8





#79

2-Chlorotoluene

Concen: 20.981 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW010547.D

Acq: 24 May 2019 13:42

Instrument :

MSVOA_W

ClientSampleId :

VW0524SBSD01

Tot Ion: 91 Resp: 117231

Ion Ratio Lower Upper

91 100

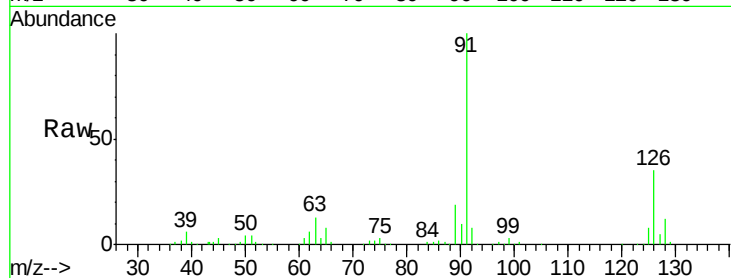
126 34.7 17.4 52.3

Manual Integrations

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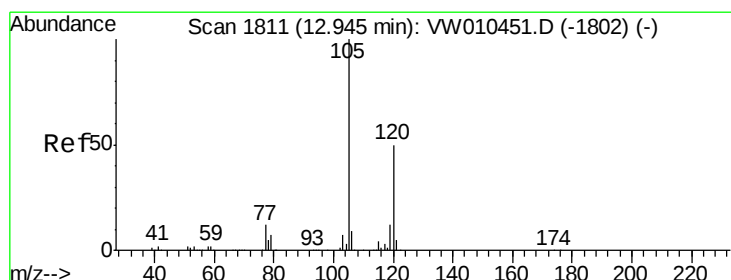
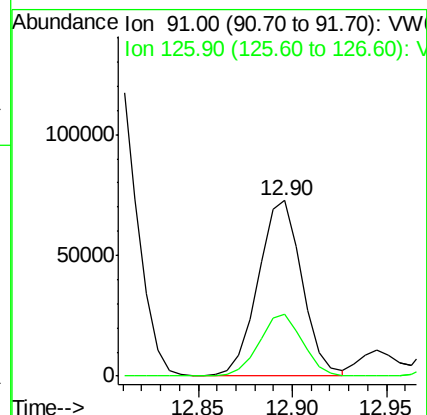
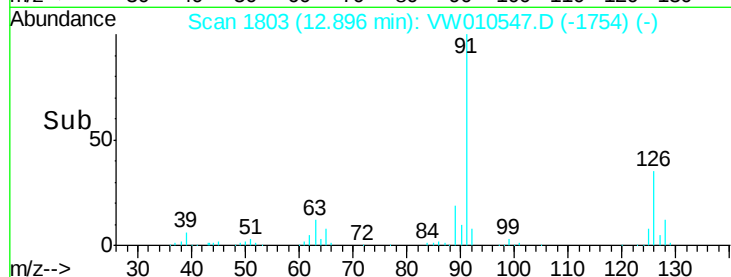
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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 20.904 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW010547.D

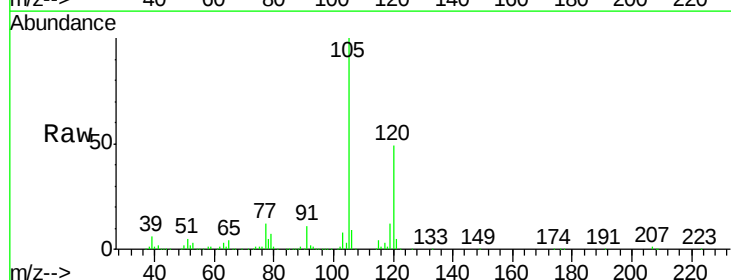
Acq: 24 May 2019 13:42

Tgt Ion:105 Resp: 146378

Ion Ratio Lower Upper

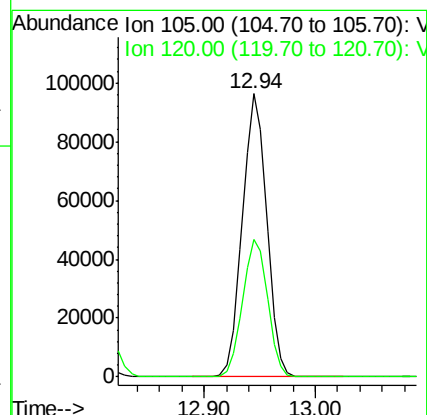
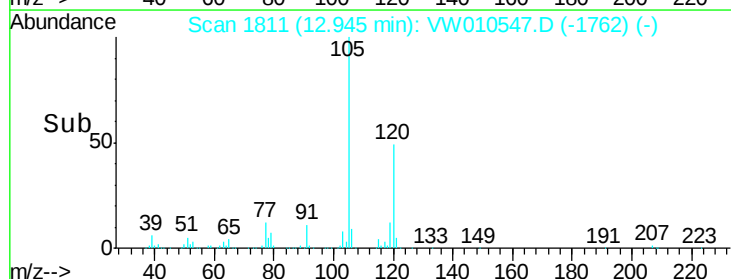
105 100

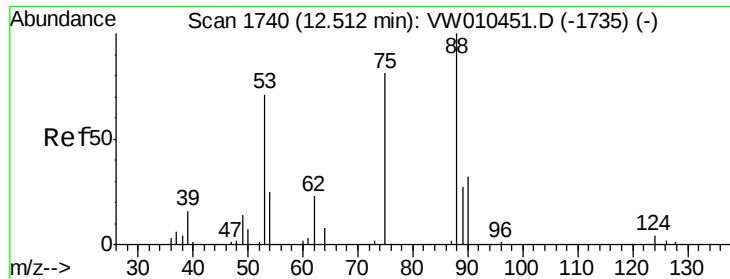
120 49.8 25.2 75.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





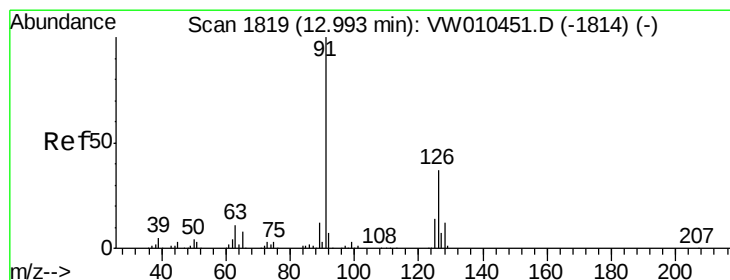
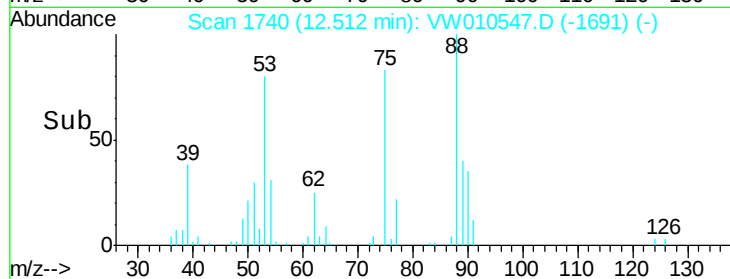
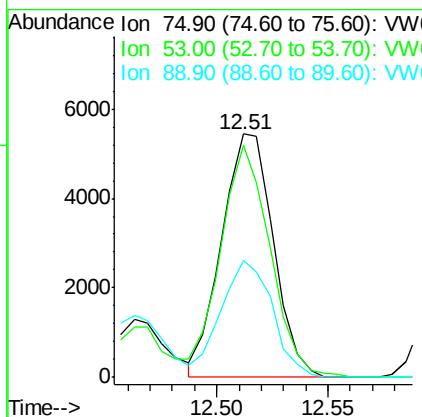
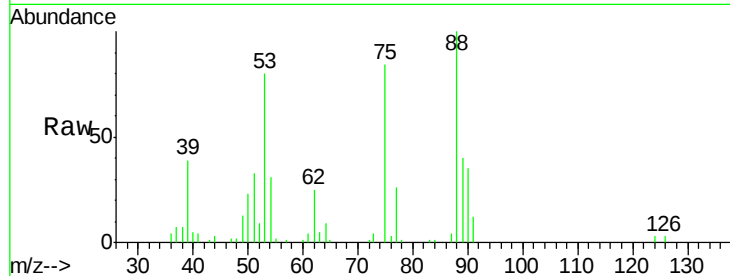
#81
trans-1,4-Dichloro-2-butene
Concen: 17.318 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW010547.D
Acq: 24 May 2019 13:42

Instrument :
MSVOA_W
ClientSampleId :
VW0524SBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	91.1	69.8	104.8
89	47.9	39.5	59.3

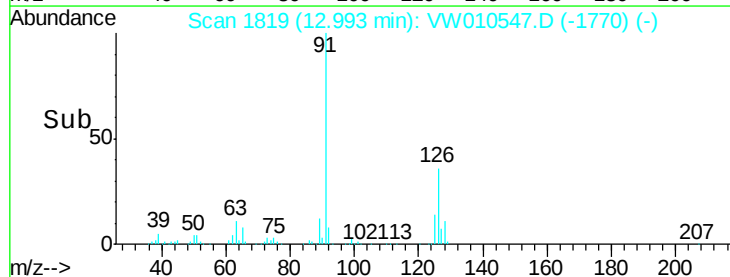
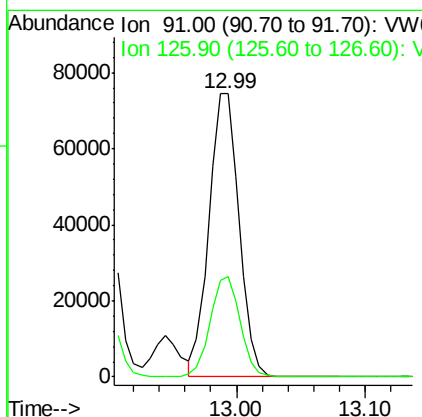
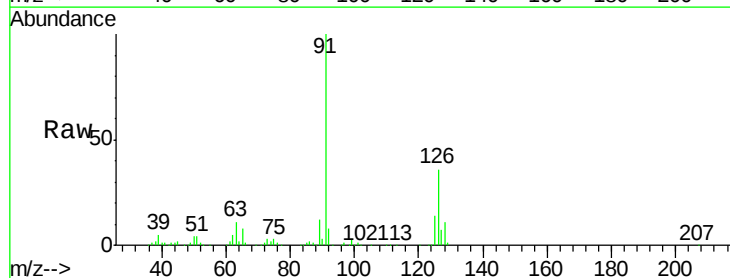
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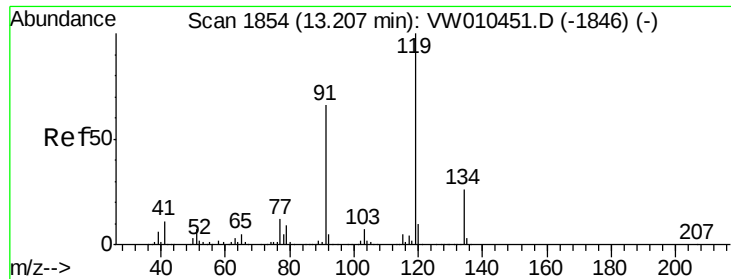
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#82
4-Chlorotoluene
Concen: 21.016 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. 0.00 min
Lab File: VW010547.D
Acq: 24 May 2019 13:42

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.3	17.5	52.6





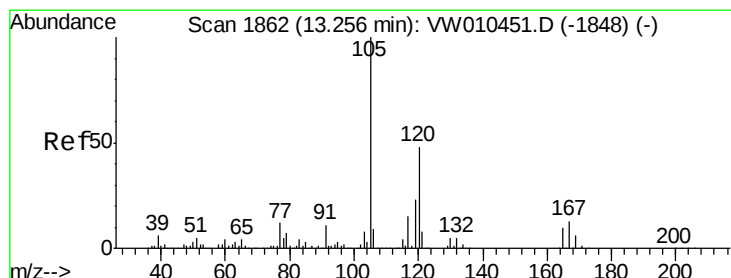
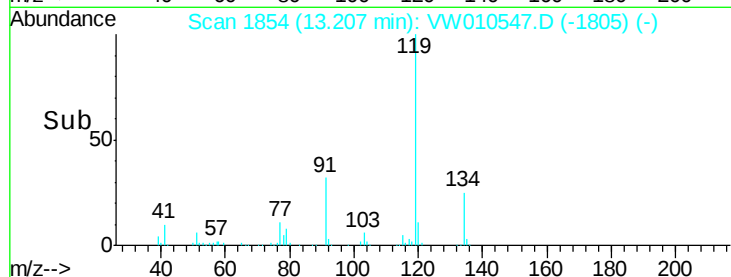
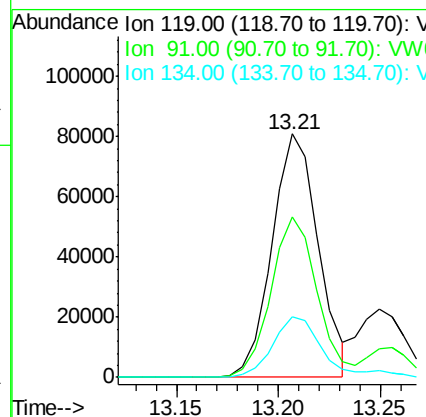
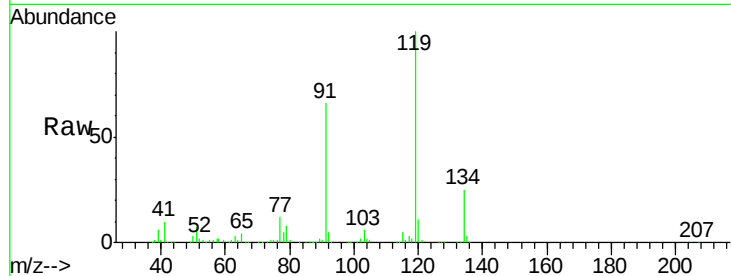
#83
tert-Butylbenzene
Concen: 20.897 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW010547.D
Acq: 24 May 2019 13:42

Instrument :
MSVOA_W
ClientSampleId :
VW0524SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	127819		
91	66.0		33.1	99.5
134	27.6		13.9	41.6

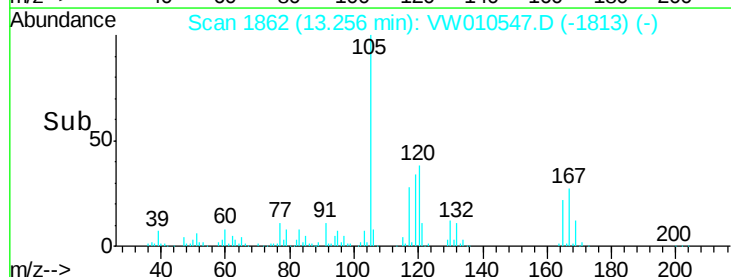
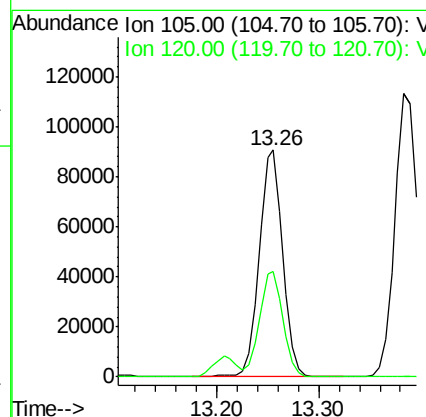
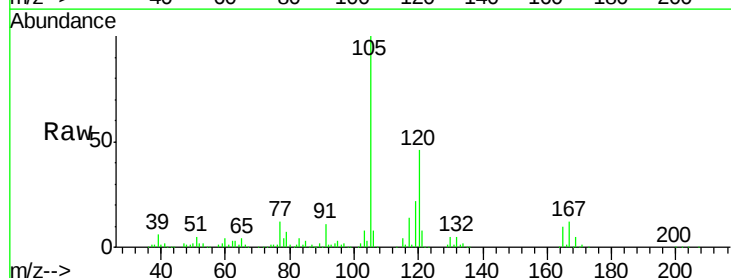
Manual Integrations
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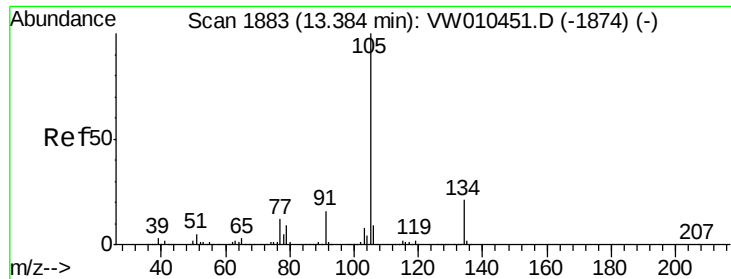
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#84
1,2,4-Trimethylbenzene
Concen: 20.902 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VW010547.D
Acq: 24 May 2019 13:42

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	145773		
120	46.2		23.4	70.2





#85

sec-Butylbenzene

Concen: 20.696 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW010547.D

Acq: 24 May 2019 13:42

Instrument :

MSVOA_W

ClientSampleId :

VW0524SBSD01

Tot Ion:105 Resp: 177155

Ion Ratio Lower Upper

105 100

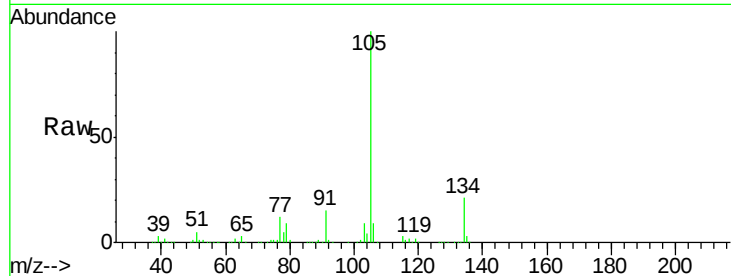
134 21.4 10.5 31.6

Manual Integrations

APPROVED

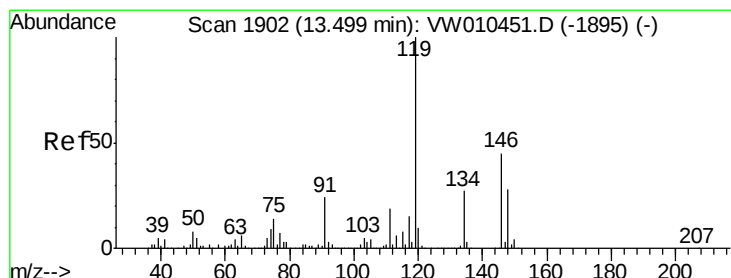
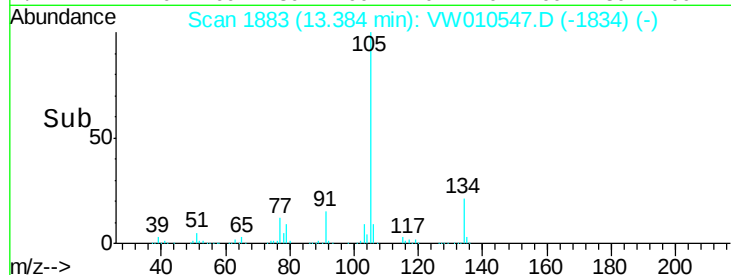
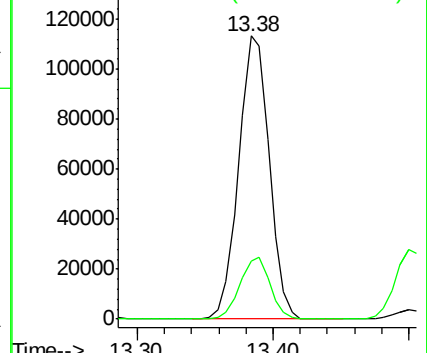
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.803 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW010547.D

Acq: 24 May 2019 13:42

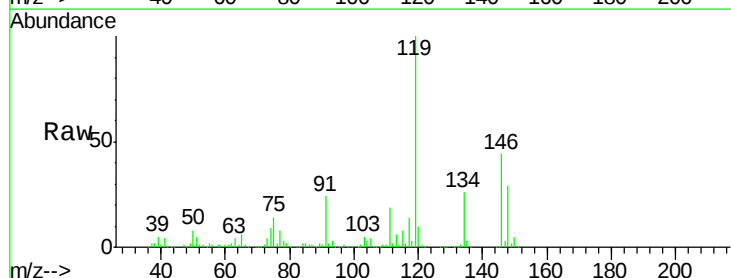
Tgt Ion:119 Resp: 161173

Ion Ratio Lower Upper

119 100

134 26.9 13.6 40.7

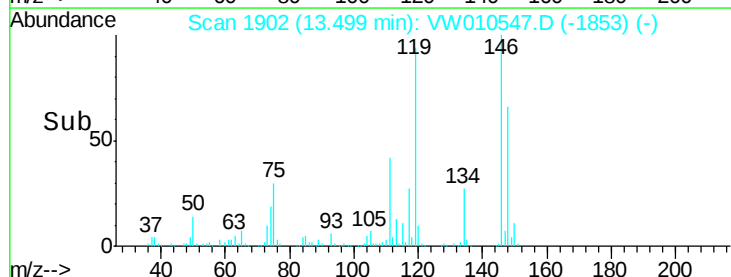
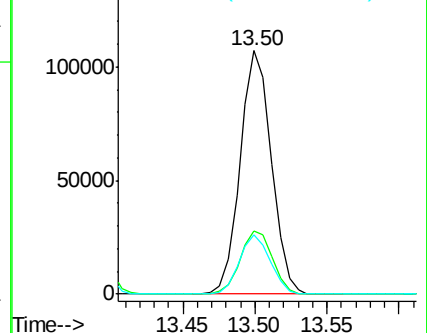
91 24.3 11.9 35.7

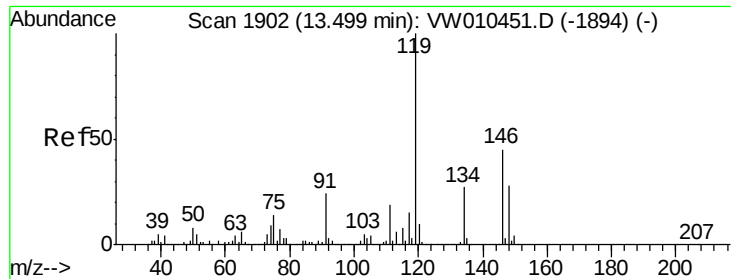


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





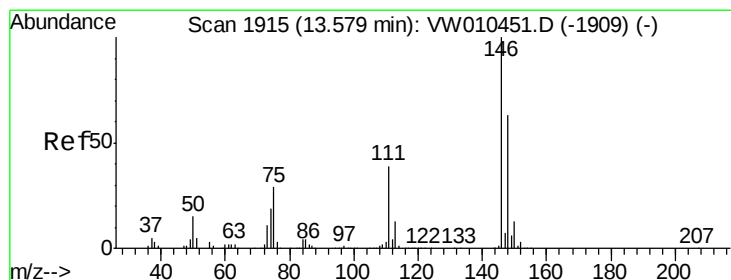
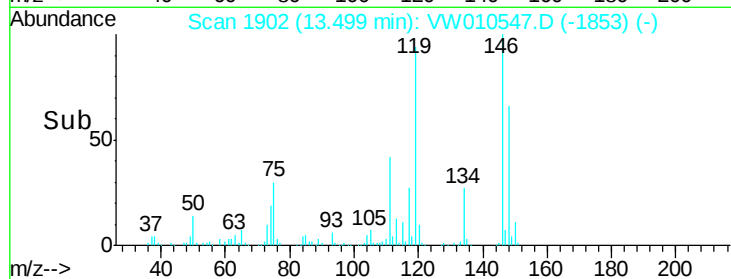
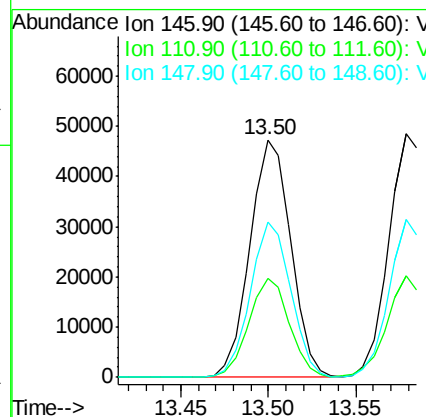
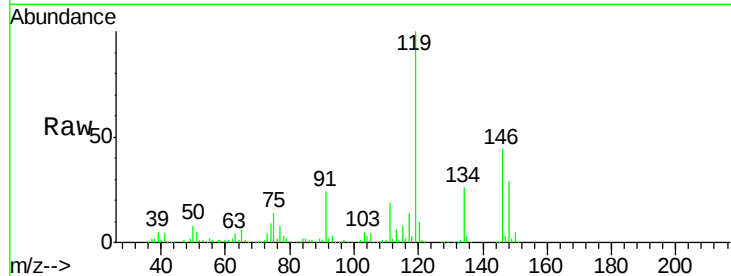
#87
 1,3-Dichlorobenzene
 Concen: 21.209 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW010547.D
 Acq: 24 May 2019 13:42

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0524SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.5	20.3	60.9
148	64.4	31.6	94.8

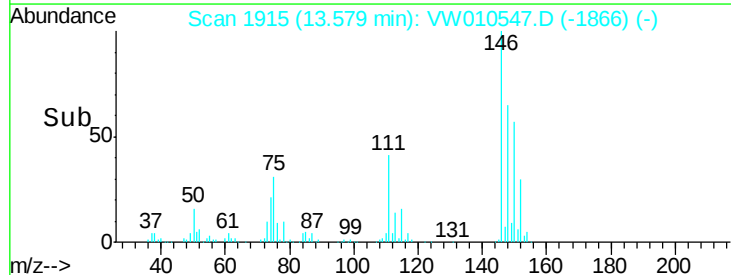
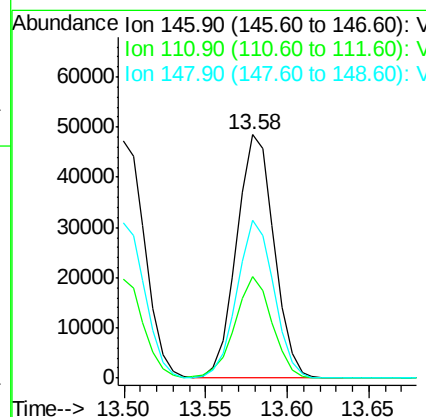
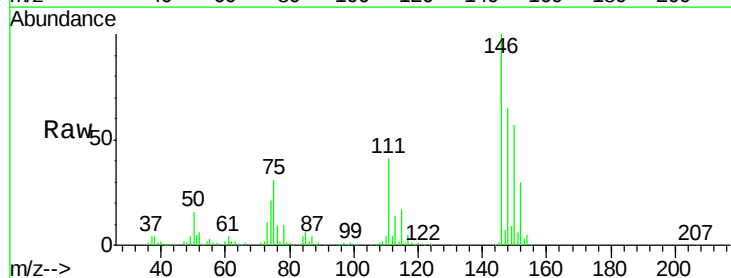
Manual Integrations
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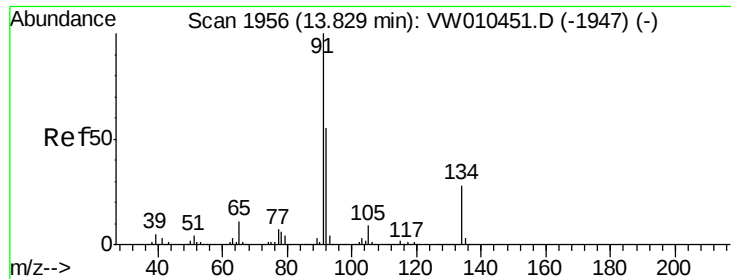
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#88
 1,4-Dichlorobenzene
 Concen: 21.316 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW010547.D
 Acq: 24 May 2019 13:42

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.3	19.9	59.6
148	64.1	31.6	94.8





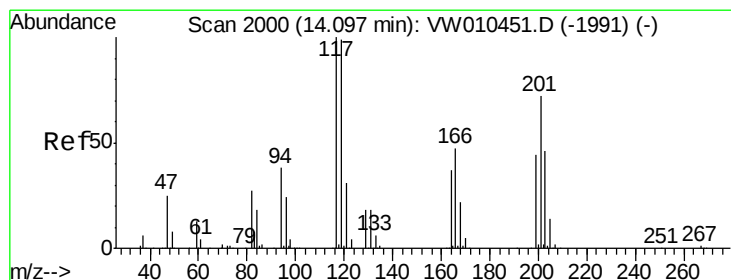
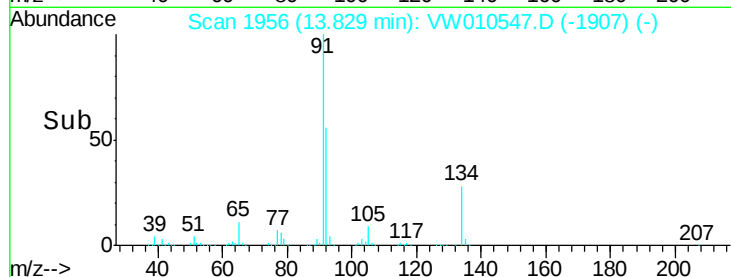
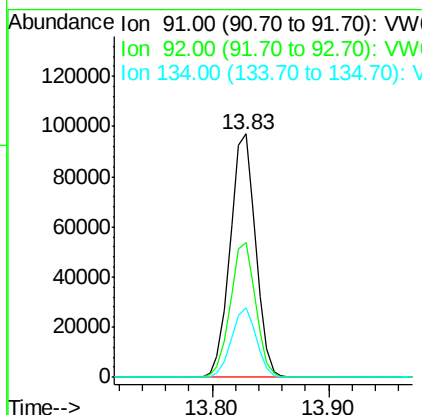
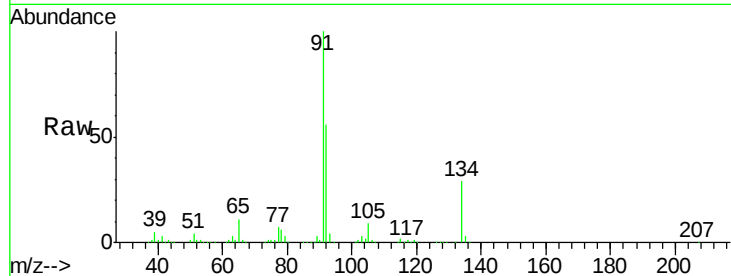
#89
n-Butylbenzene
Concen: 20.063 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VW010547.D
Acq: 24 May 2019 13:42

Instrument :
MSVOA_W
ClientSampleId :
VW0524SBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	55.2	27.7	83.1
134	27.9	13.9	41.6

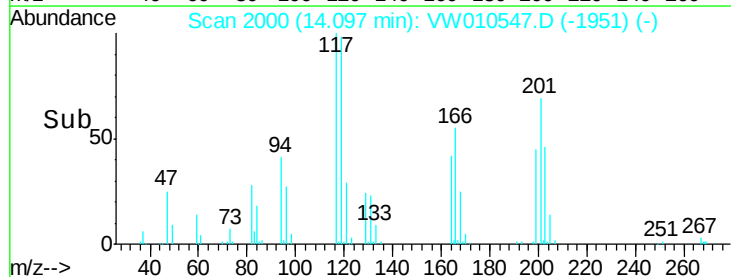
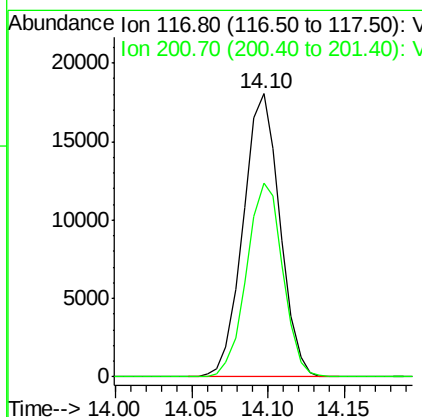
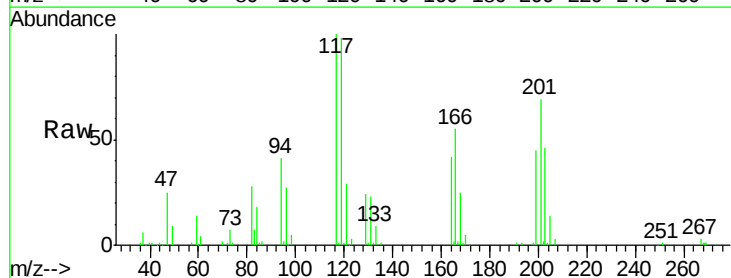
Manual Integrations
APPROVED

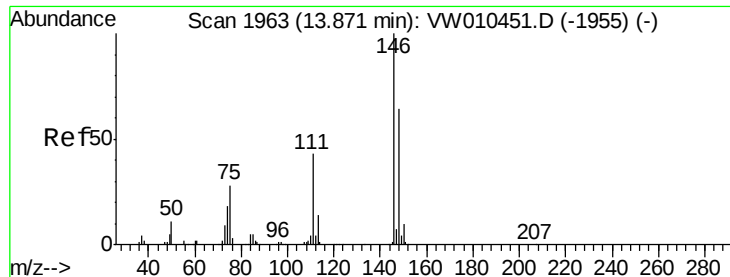
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#90
Hexachloroethane
Concen: 20.079 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW010547.D
Acq: 24 May 2019 13:42

Tgt Ion	Ratio	Lower	Upper
117	100		
201	67.5	34.6	103.8





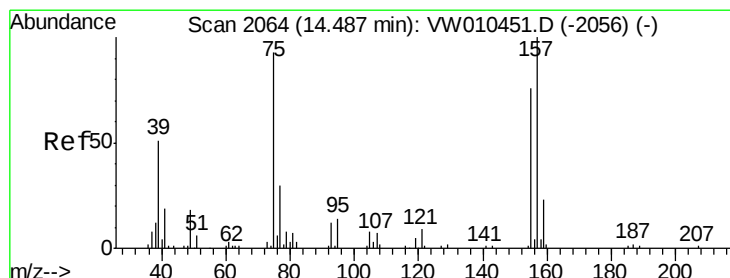
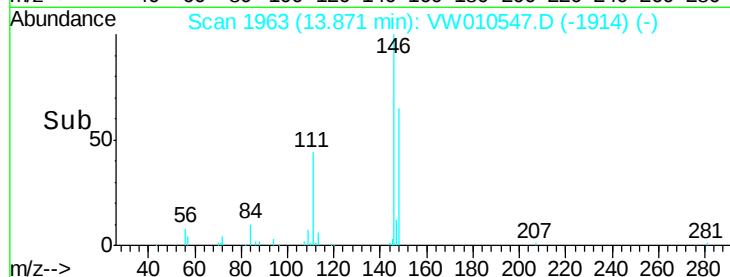
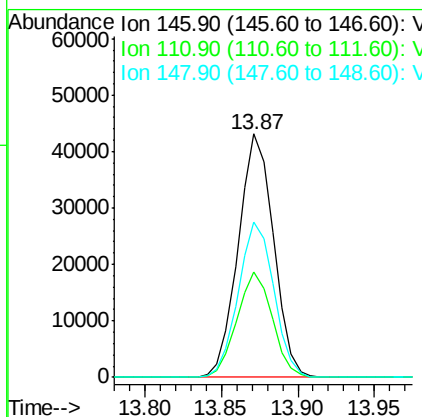
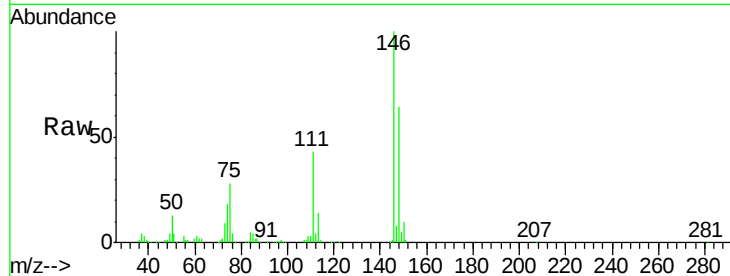
#91
 1,2-Dichlorobenzene
 Concen: 20.909 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW010547.D
 Acq: 24 May 2019 13:42

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0524SBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.2	21.3	64.0
148	64.3	32.0	96.0

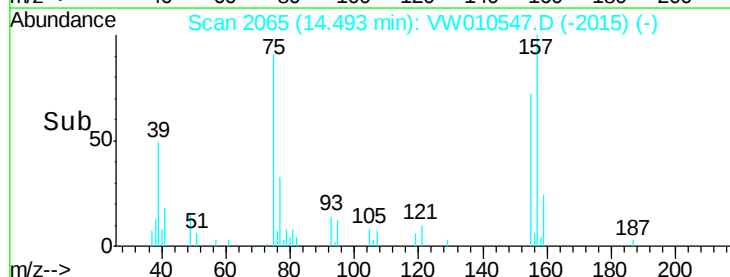
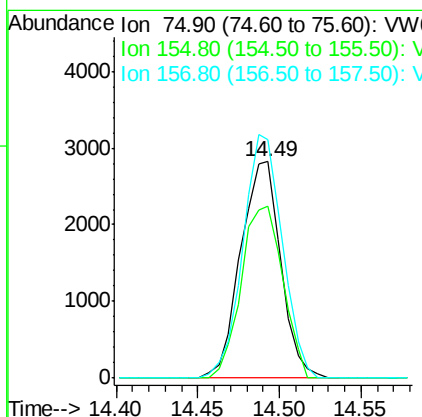
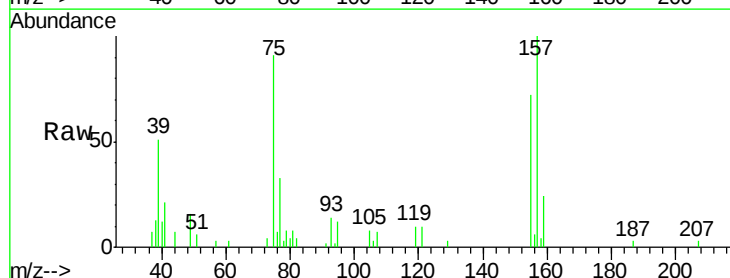
Manual Integrations
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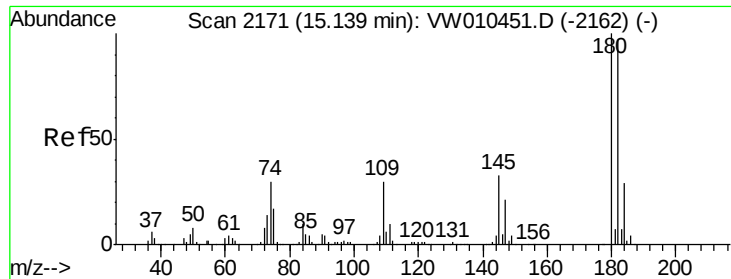
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.305 ug/l
 RT: 14.49 min Scan# 2065
 Delta R.T. 0.01 min
 Lab File: VW010547.D
 Acq: 24 May 2019 13:42

Tgt Ion	Ratio	Lower	Upper
75	100		
155	82.1	43.0	129.0
157	110.6	55.7	167.1





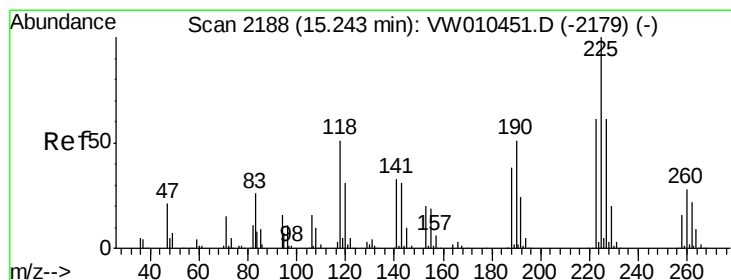
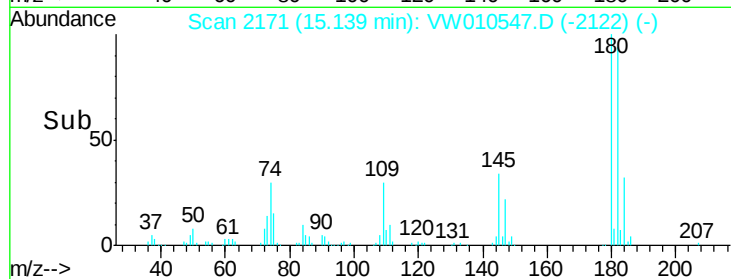
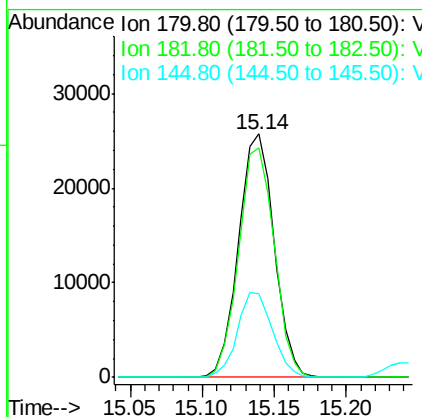
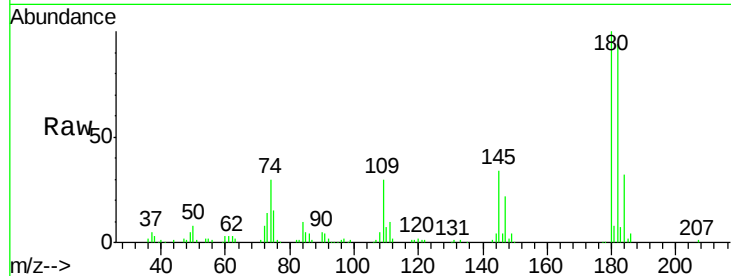
#93
 1,2,4-Trichlorobenzene
 Concen: 19.603 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW010547.D
 Acq: 24 May 2019 13:42

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0524SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.6	47.0	141.2
145	34.5	16.7	50.0

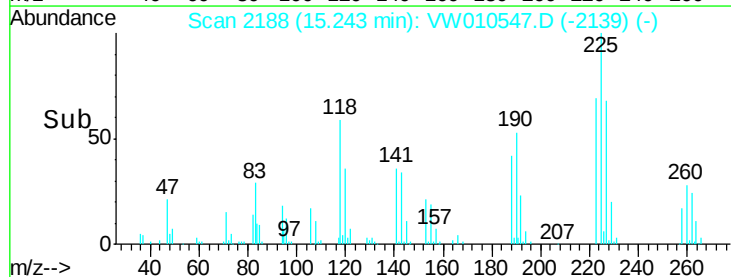
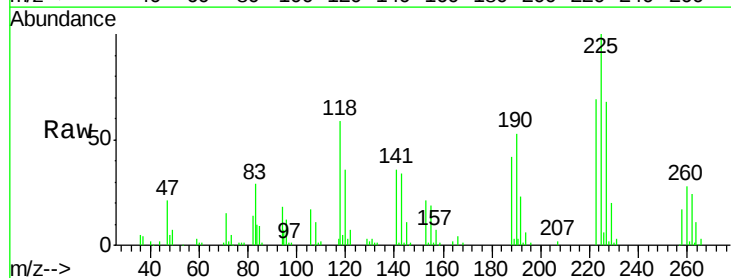
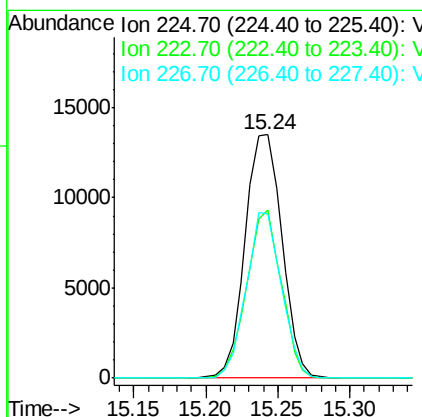
Manual Integrations
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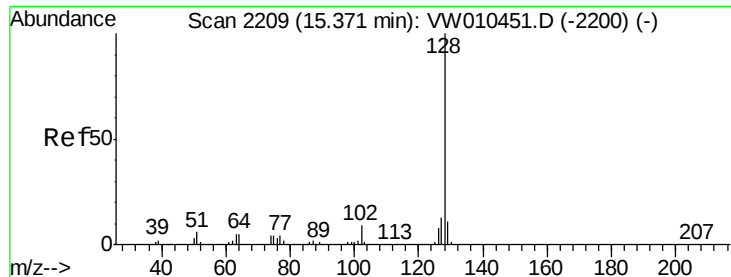
MMDadoda
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#94
 Hexachlorobutadiene
 Concen: 19.869 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW010547.D
 Acq: 24 May 2019 13:42

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.1	31.1	93.2
227	65.1	31.1	93.5





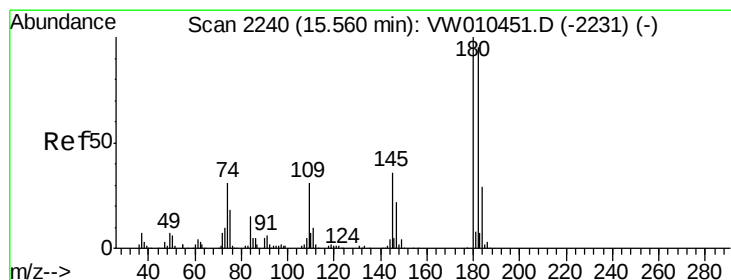
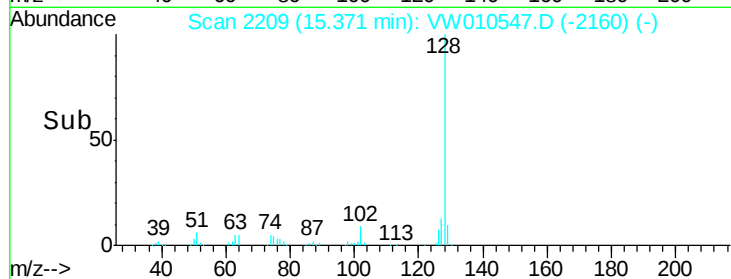
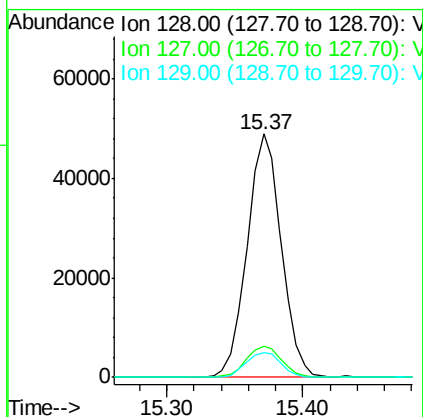
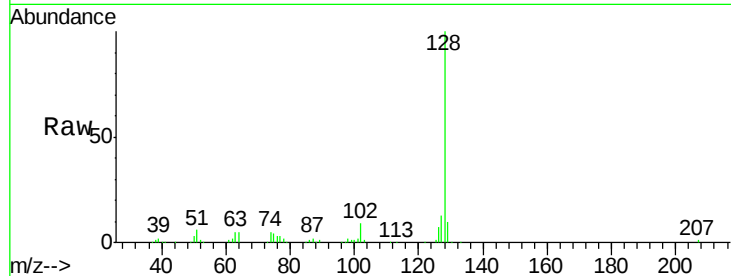
#95
Naphthalene
Concen: 18.272 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW010547.D
Acq: 24 May 2019 13:42

Instrument :
MSVOA_W
ClientSampleId :
VW0524SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.6	15.8
129	10.7	8.9	13.3

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 19.724 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW010547.D
Acq: 24 May 2019 13:42

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.0	47.1	141.3
145	36.3	17.4	52.3

