

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW052919\
 Data File : VW010581.D
 Acq On : 29 May 2019 10:26
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 5/30/2019 10:13:09 AM

Quant Time: May 30 07:18:01 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	141817	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	233727	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	207522	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	99436	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	69451	47.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.90%	
35) Dibromofluoromethane	7.88	113	75518	53.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.50%	
50) Toluene-d8	10.32	98	291640	53.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.66%	
62) 4-Bromofluorobenzene	12.62	95	108913	50.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	64260	50.866	ug/l	99
3) Chloromethane	2.21	50	66173	44.410	ug/l	100
4) Vinyl Chloride	2.36	62	74840	43.362	ug/l	99
5) Bromomethane	2.76	94	54834	46.182	ug/l	99
6) Chloroethane	2.91	64	51357	46.353	ug/l	98
7) Trichlorofluoromethane	3.25	101	142601	55.963	ug/l	98
8) Diethyl Ether	3.68	74	40095	49.639	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	89575	57.082	ug/l	98
10) Methyl Iodide	4.27	142	90236	50.309	ug/l	98
11) Tert butyl alcohol	5.18	59	31995	242.999	ug/l	95
12) 1,1-Dichloroethene	4.03	96	82361	54.982	ug/l	98
13) Acrolein	3.90	56	19526	254.948	ug/l	97
14) Allyl chloride	4.67	41	114118	52.630	ug/l	99
15) Acrylonitrile	5.37	53	76308	225.577	ug/l	99
16) Acetone	4.12	43	86321	288.899	ug/l	99
17) Carbon Disulfide	4.37	76	229078	51.271	ug/l	100
18) Methyl Acetate	4.67	43	32079	43.898	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	190287	49.829	ug/l	97
20) Methylene Chloride	4.91	84	82078	46.457	ug/l	99
21) trans-1,2-Dichloroethene	5.42	96	95548	55.609	ug/l	98
22) Diisopropyl ether	6.31	45	228804	51.463	ug/l	97
23) Vinyl Acetate	6.25	43	661530	249.089	ug/l	100
24) 1,1-Dichloroethane	6.21	63	145076	54.680	ug/l	98
25) 2-Butanone	7.17	43	110589	258.627	ug/l	98
26) 2,2-Dichloropropane	7.16	77	146489	57.963	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	103285	55.292	ug/l	99
28) Bromochloromethane	7.51	49	47429	49.929	ug/l	90
29) Tetrahydrofuran	7.53	42	62282	215.250	ug/l	97
30) Chloroform	7.68	83	159222	55.637	ug/l	100
31) Cyclohexane	7.95	56	141526	50.923	ug/l	100
32) 1,1,1-Trichloroethane	7.87	97	151420	55.358	ug/l	98
36) 1,1-Dichloropropene	8.08	75	126697	58.190	ug/l	100
37) Ethyl Acetate	7.25	43	44738	48.319	ug/l	99
38) Carbon Tetrachloride	8.07	117	140789	59.943	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	170542	58.464	ug/l	99
40) Benzene	8.32	78	351749	58.125	ug/l	100
41) Methacrylonitrile	7.48	41	26031	47.317	ug/l	99
42) 1,2-Dichloroethane	8.40	62	95988	55.497	ug/l	99
43) Isopropyl Acetate	8.43	43	88071	47.613	ug/l	98
44) Trichloroethene	9.09	130	107099	59.612	ug/l	99
45) 1,2-Dichloropropane	9.37	63	80447	55.973	ug/l	100
46) Dibromomethane	9.46	93	46323	55.111	ug/l	96
47) Bromodichloromethane	9.65	83	120157	56.886	ug/l	97
48) Methyl methacrylate	9.43	41	40510	47.872	ug/l	95
49) 1,4-Dioxane	9.46	88	12440	906.002	ug/l #	94
51) 4-Methyl-2-Pentanone	10.21	43	221515	236.335	ug/l	100
52) Toluene	10.39	92	236879	58.285	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	117938	55.131	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	138620	56.739	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	67009	55.439	ug/l	98
56) Ethyl methacrylate	10.65	69	83014	49.798	ug/l	99
57) 1,3-Dichloropropane	10.93	76	110918	54.784	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	155388	210.450	ug/l	97
59) 2-Hexanone	10.97	43	169091	252.897	ug/l	99
60) Dibromochloromethane	11.13	129	87332	57.090	ug/l	99
61) 1,2-Dibromoethane	11.24	107	66599	54.393	ug/l	98
64) Tetrachloroethene	10.86	164	87778	60.678	ug/l	97
65) Chlorobenzene	11.66	112	259545	58.684	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	94101	59.394	ug/l	99
67) Ethyl Benzene	11.73	91	451230	57.786	ug/l	99
68) m/p-Xylenes	11.84	106	353570	115.441	ug/l	100
69) o-Xylene	12.16	106	167554	57.741	ug/l	98
70) Styrene	12.18	104	280147	56.899	ug/l	99
71) Bromoform	12.35	173	47790	54.776	ug/l #	100
73) Isopropylbenzene	12.46	105	462083	58.561	ug/l	100
74) N-amyl acetate	12.27	43	82467	45.608	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	71018	49.483	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	49934m	49.472	ug/l	
77) Bromobenzene	12.75	156	105434	59.710	ug/l	95
78) n-propylbenzene	12.80	91	526461	57.252	ug/l	99
79) 2-Chlorotoluene	12.90	91	302807	56.784	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	380200	56.892	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	23196	47.963	ug/l	98
82) 4-Chlorotoluene	12.99	91	310176	56.038	ug/l	98
83) tert-Butylbenzene	13.21	119	348431	59.689	ug/l	97
84) 1,2,4-Trimethylbenzene	13.26	105	372667	55.990	ug/l	99
85) sec-Butylbenzene	13.38	105	467711	57.253	ug/l	99
86) p-Isopropyltoluene	13.50	119	422994	57.206	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	202560	58.471	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	201441	57.955	ug/l	99
89) n-Butylbenzene	13.83	91	391927	55.725	ug/l	99
90) Hexachloroethane	14.10	117	84538	59.067	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	181526	57.508	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	12154	45.544	ug/l	96

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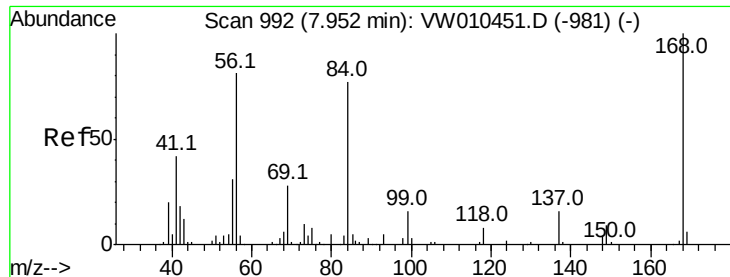
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	122943	57.244	ug/l	99
94) Hexachlorobutadiene	15.24	225	69843	60.874	ug/l	98
95) Naphthalene	15.37	128	221543	49.141	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	103728	56.130	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW010581.D

Acq: 29 May 2019 10:26

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 141817

Ion Ratio Lower Upper

168 100

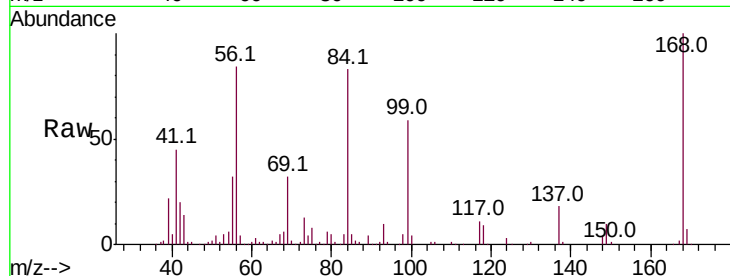
99 58.9 46.1 69.1

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Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

60000

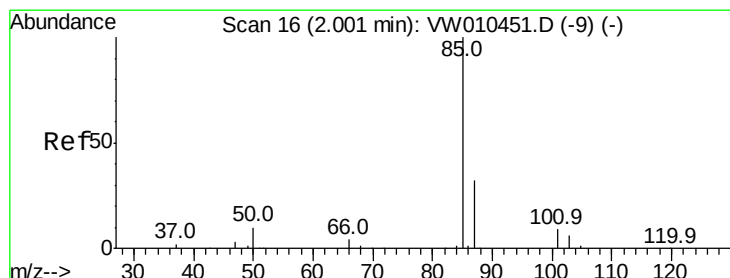
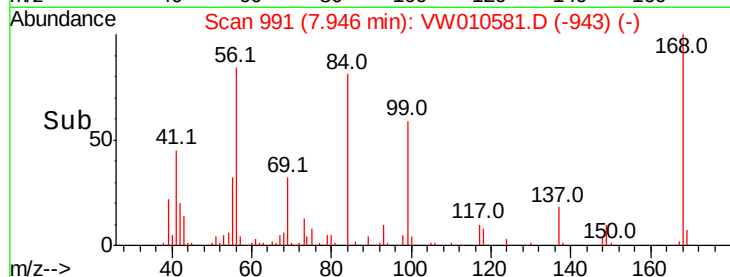
40000

20000

0

7.90 8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 50.866 ug/l

RT: 2.00 min Scan# 15

Delta R.T. -0.01 min

Lab File: VW010581.D

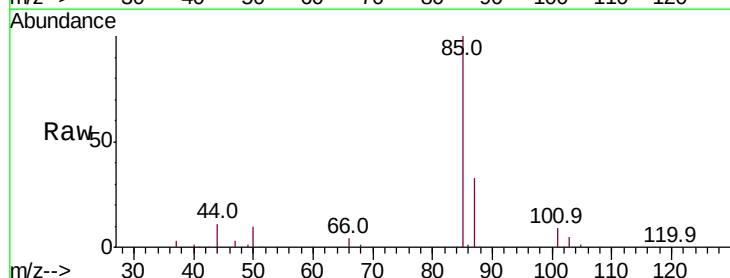
Acq: 29 May 2019 10:26

Tgt Ion: 85 Resp: 64260

Ion Ratio Lower Upper

85 100

87 32.8 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

40000

30000

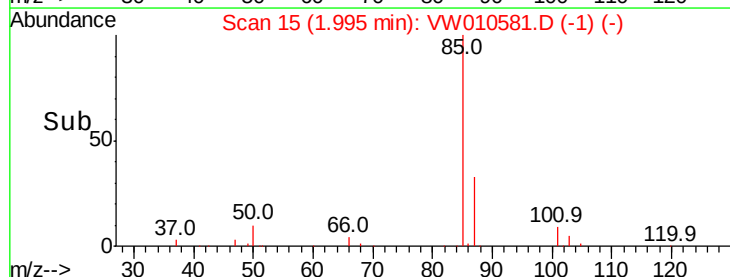
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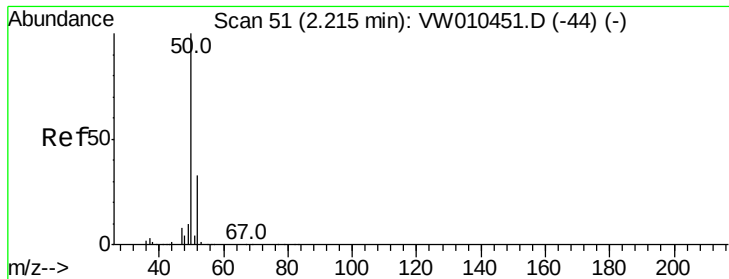
10000

0

1.90 2.00 2.10

Time-->





#3

Chloromethane

Concen: 44.410 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW010581.D

Acq: 29 May 2019 10:26

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 66173

Ion Ratio Lower Upper

50 100

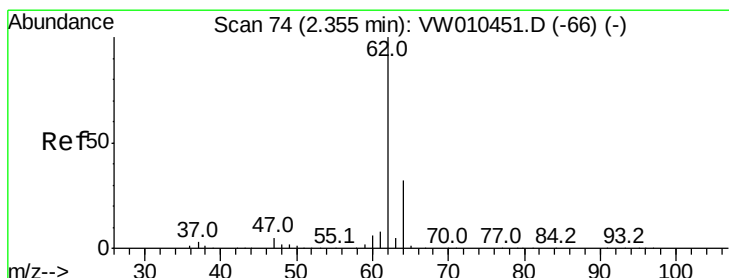
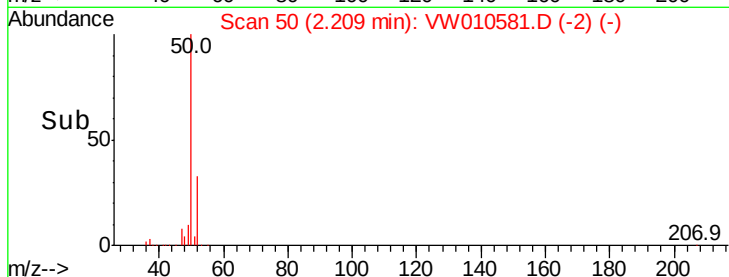
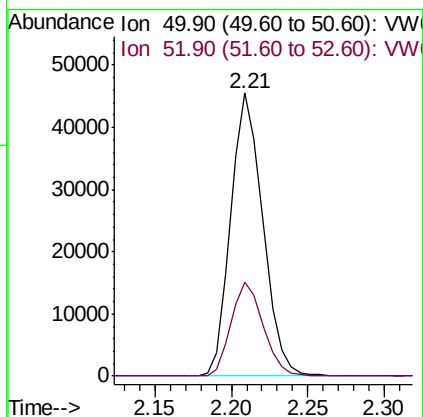
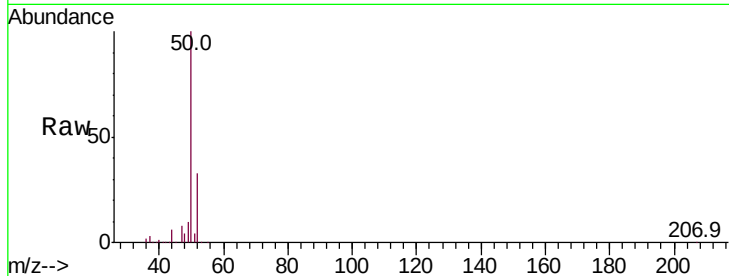
52 33.1 26.3 39.5

Manual Integrations

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#4

Vinyl Chloride

Concen: 43.362 ug/l

RT: 2.36 min Scan# 74

Delta R.T. -0.00 min

Lab File: VW010581.D

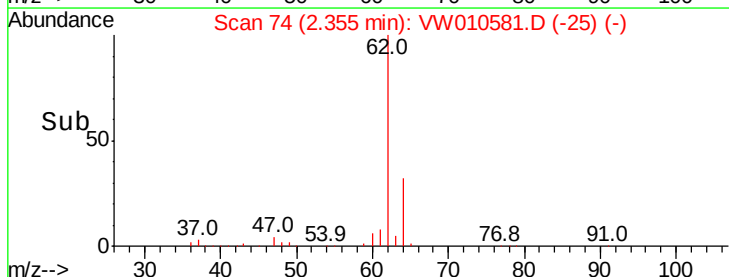
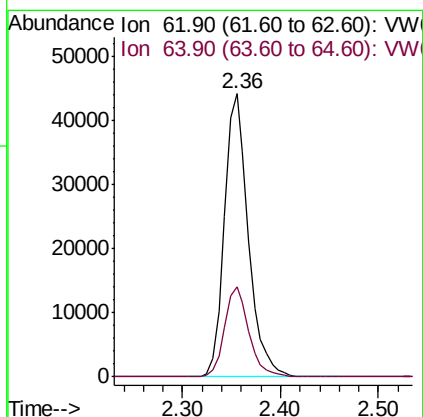
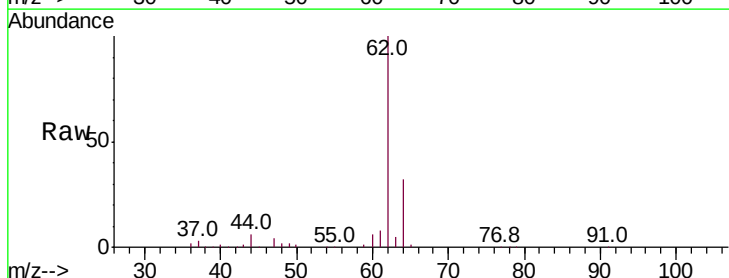
Acq: 29 May 2019 10:26

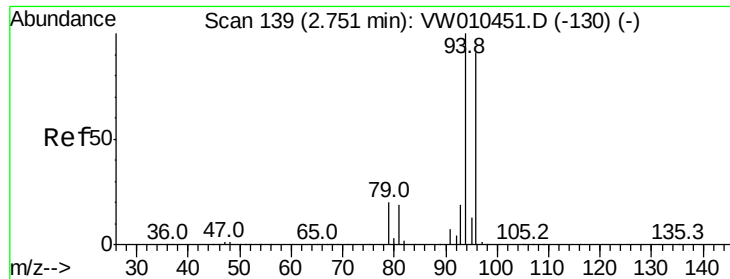
Tgt Ion: 62 Resp: 74840

Ion Ratio Lower Upper

62 100

64 31.7 25.8 38.8





#5

Bromomethane

Concen: 46.182 ug/l

RT: 2.76 min Scan# 141

Delta R.T. 0.01 min

Lab File: VW010581.D

Acq: 29 May 2019 10:26

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 54834

Ion Ratio Lower Upper

94 100

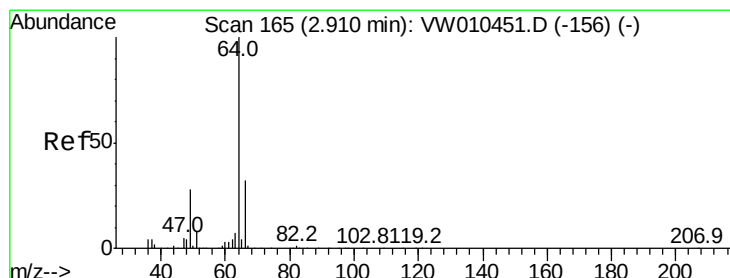
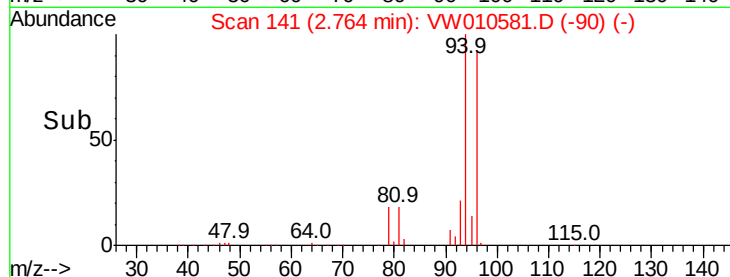
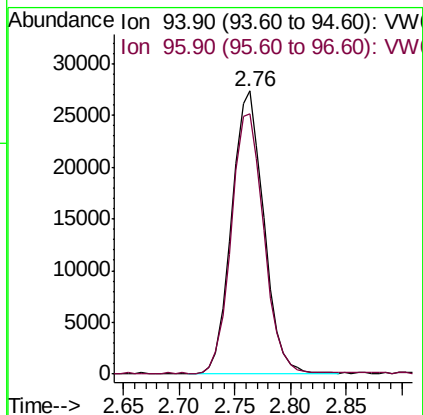
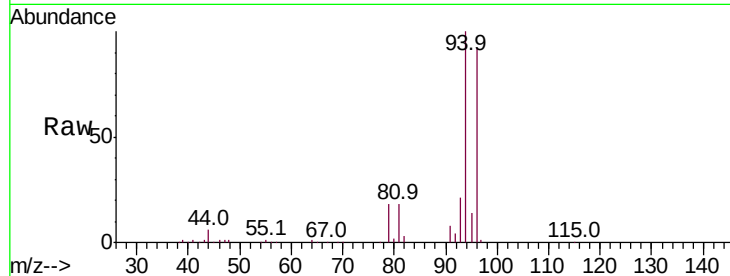
96 91.6 72.9 109.3

Manual Integrations

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#6

Chloroethane

Concen: 46.353 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.00 min

Lab File: VW010581.D

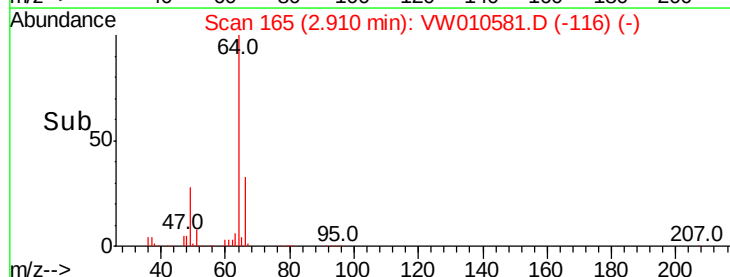
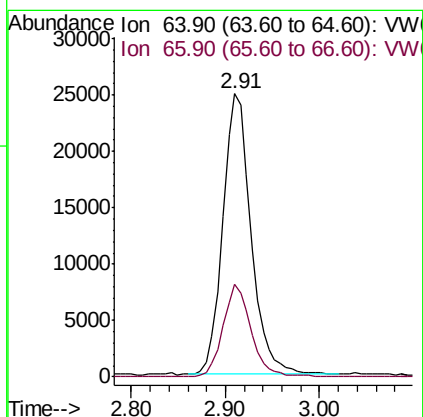
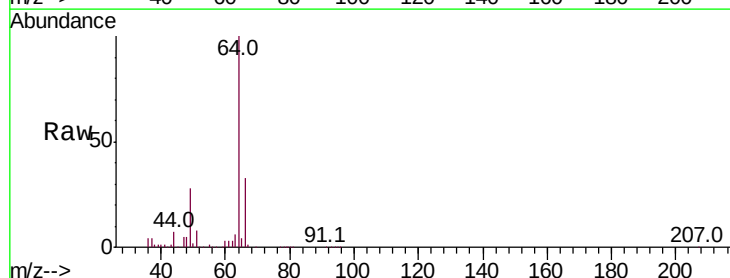
Acq: 29 May 2019 10:26

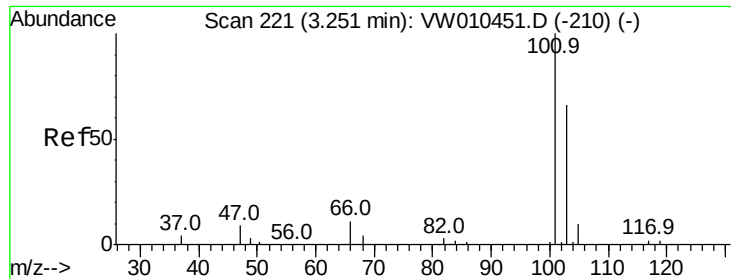
Tgt Ion: 64 Resp: 51357

Ion Ratio Lower Upper

64 100

66 32.9 25.5 38.3





#7

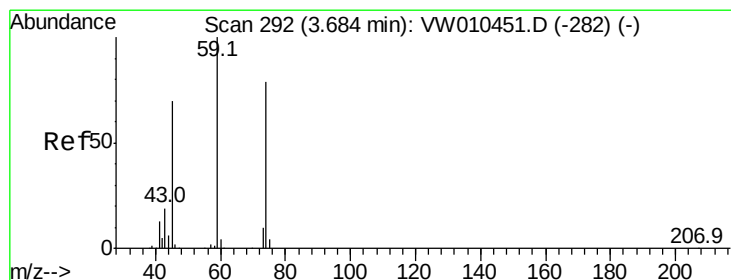
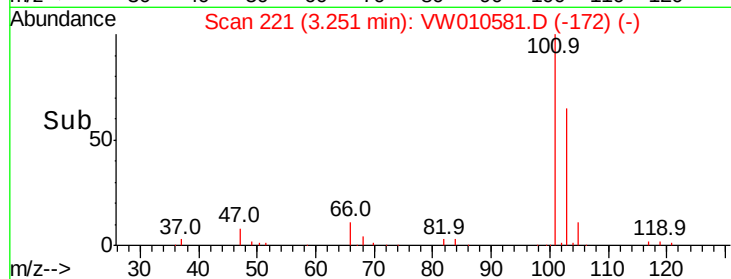
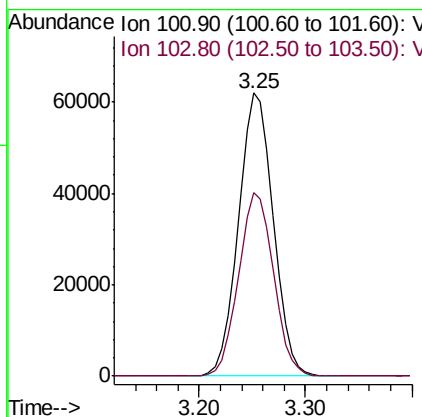
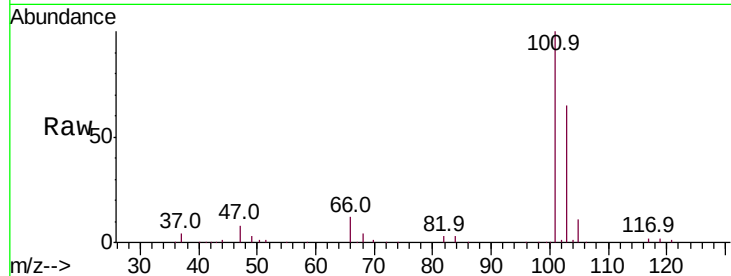
Trichlorofluoromethane
Concen: 55.963 ug/l
RT: 3.25 min Scan# 221
Delta R.T. -0.00 min
Lab File: VW010581.D
Acq: 29 May 2019 10:26

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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.9	53.0	79.4

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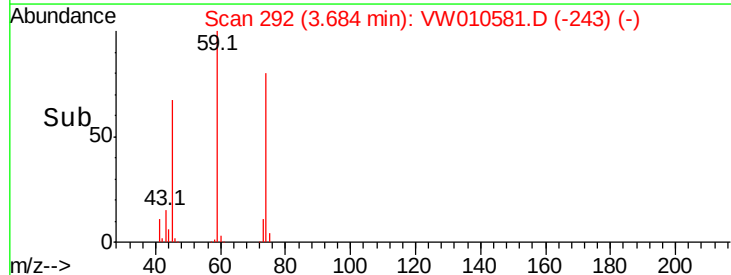
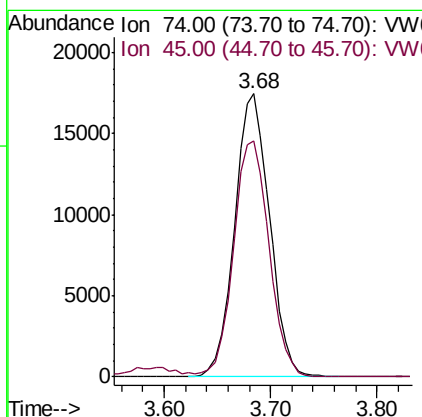
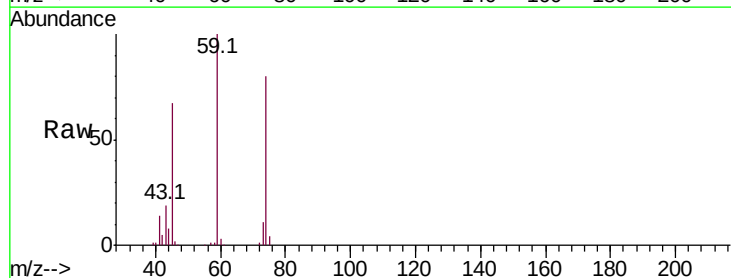
MMDadoda
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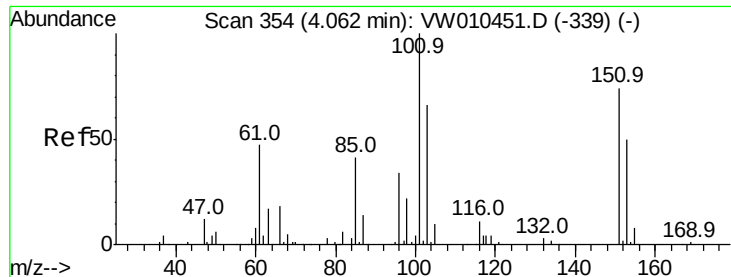


#8

Diethyl Ether
Concen: 49.639 ug/l
RT: 3.68 min Scan# 292
Delta R.T. -0.00 min
Lab File: VW010581.D
Acq: 29 May 2019 10:26

Tgt Ion	Ratio	Lower	Upper
74	100		
45	85.2	42.9	128.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 57.082 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW010581.D

Acq: 29 May 2019 10:26

Instrument :

MSVOA_W

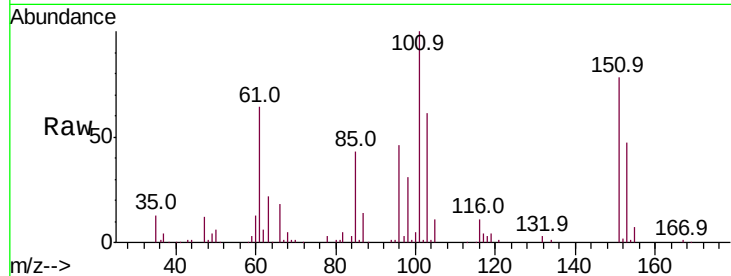
ClientSampleId :

VSTDCCC050

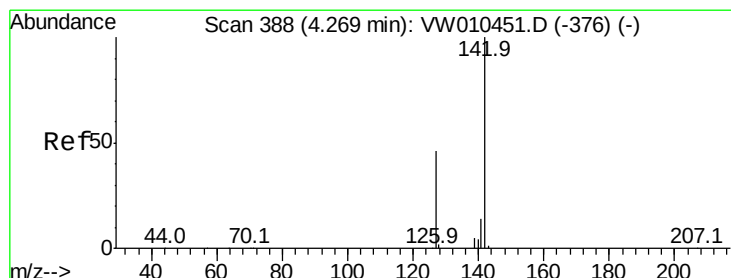
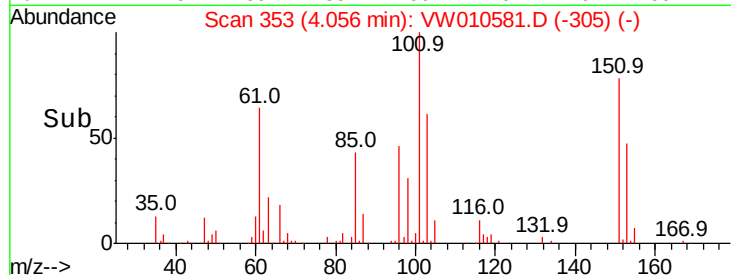
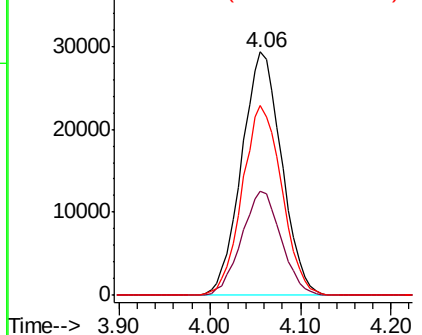
Tot Ion:	101	Resp:	89575
Ion Ratio	Lower	Upper	
101	100		
85	42.3	34.3	51.5
151	77.3	60.3	90.5

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



#10

Methyl Iodide

Concen: 50.309 ug/l

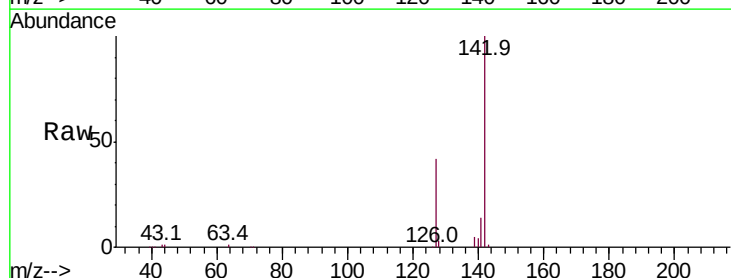
RT: 4.27 min Scan# 388

Delta R.T. -0.00 min

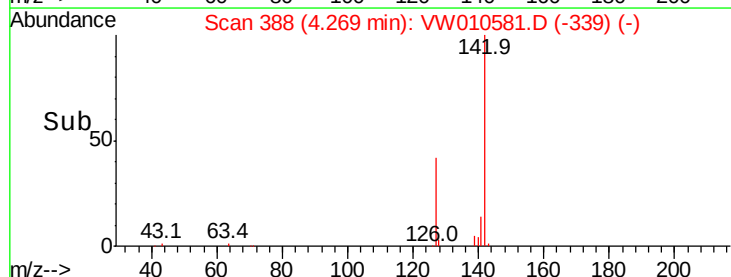
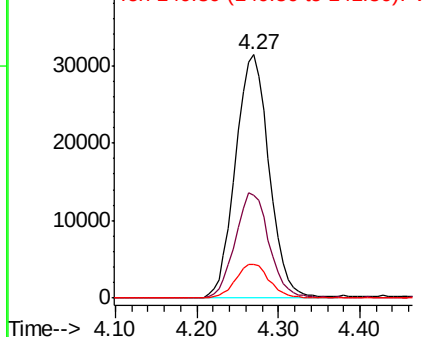
Lab File: VW010581.D

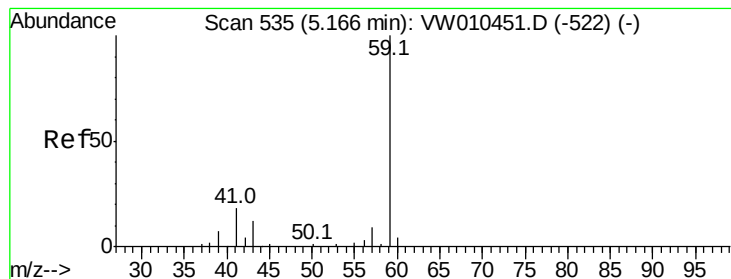
Acq: 29 May 2019 10:26

Tgt Ion:	142	Resp:	90236
Ion Ratio	Lower	Upper	
142	100		
127	43.4	36.1	54.1
141	13.9	11.3	16.9



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





#11

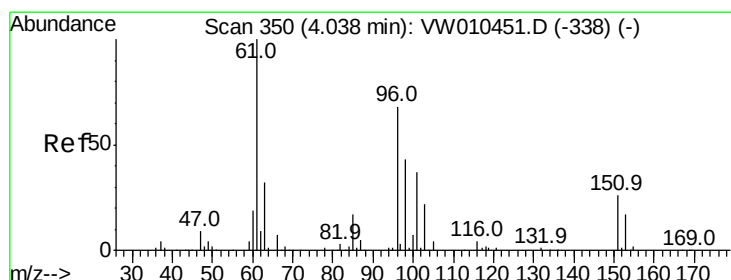
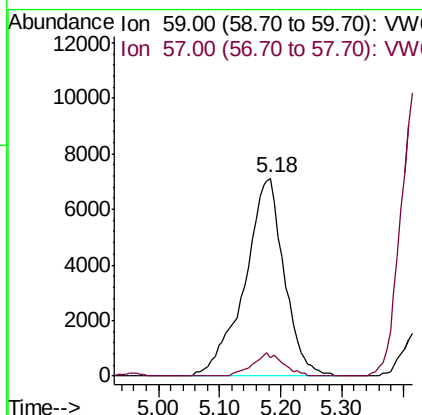
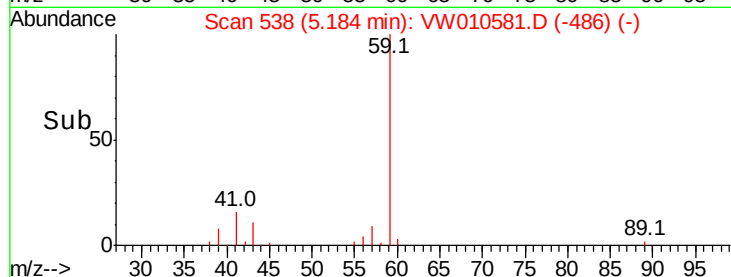
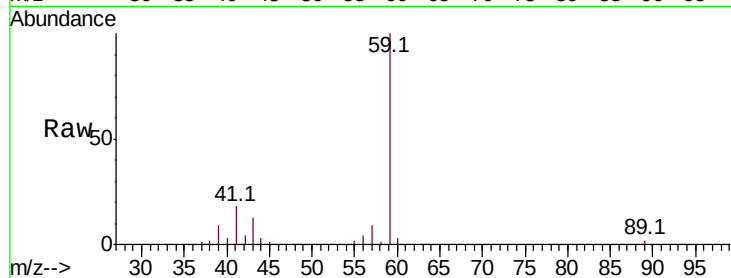
Tert butyl alcohol
Concen: 242.999 ug/l
RT: 5.18 min Scan# 538
Delta R.T. 0.02 min
Lab File: VW010581.D
Acq: 29 May 2019 10:26

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.1	8.8	13.2

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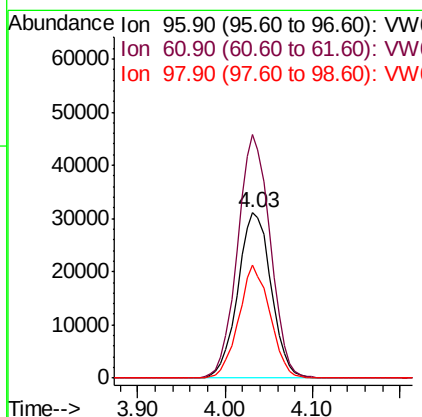
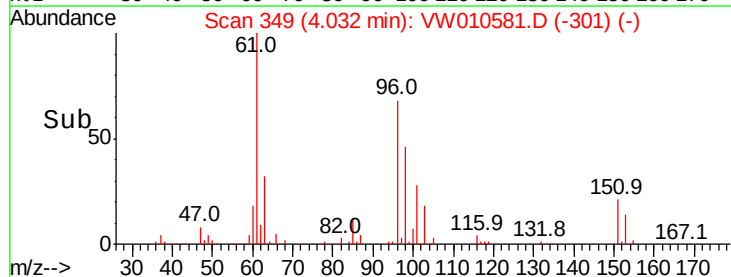
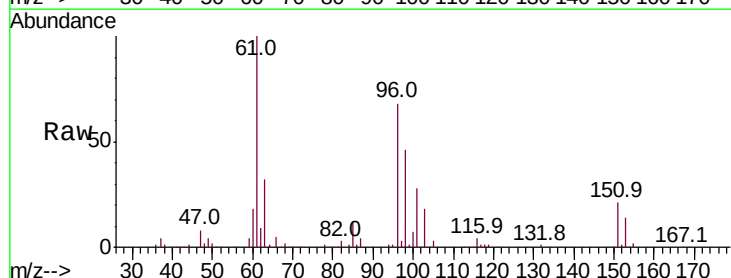
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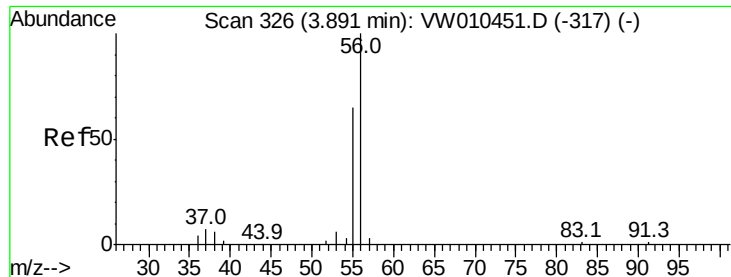


#12

1,1-Dichloroethene
Concen: 54.982 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.01 min
Lab File: VW010581.D
Acq: 29 May 2019 10:26

Tgt Ion	Ratio	Lower	Upper
96	100		
61	147.6	118.3	177.5
98	68.6	51.0	76.6





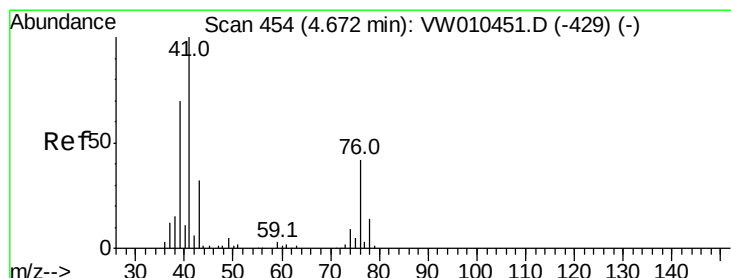
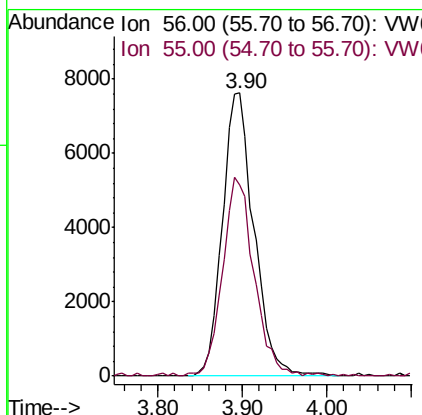
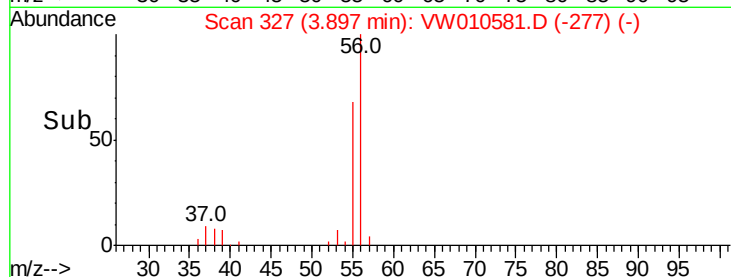
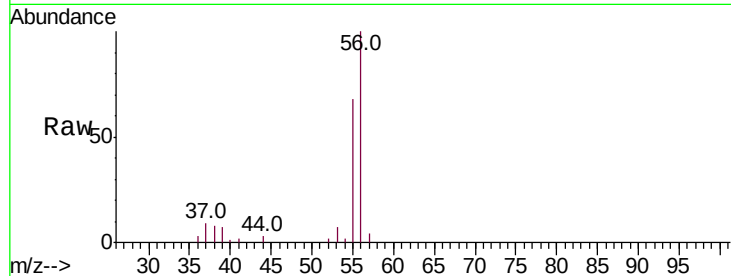
#13
Acrolein
Concen: 254.948 ug/l
RT: 3.90 min Scan# 327
Delta R.T. 0.01 min
Lab File: VW010581.D
Acq: 29 May 2019 10:26

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
55	69.9	57.9	86.9

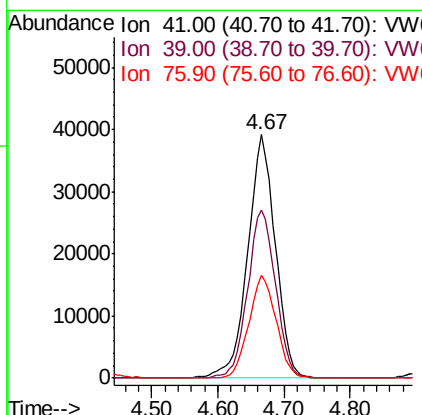
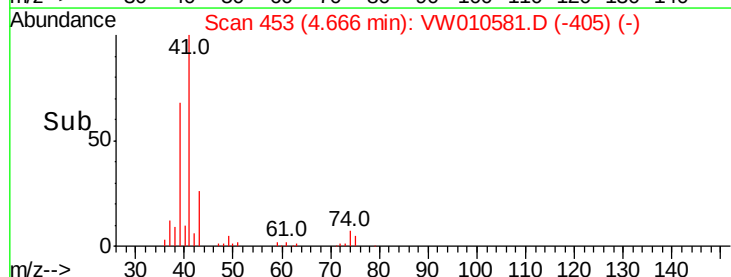
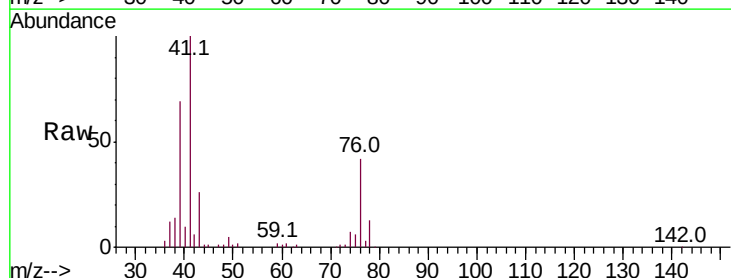
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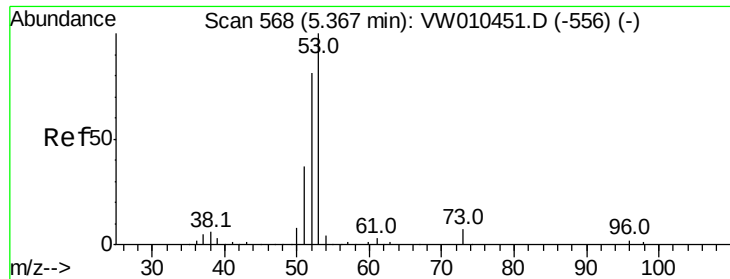
MMDadoda
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#14
Allyl chloride
Concen: 52.630 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.01 min
Lab File: VW010581.D
Acq: 29 May 2019 10:26

Tgt Ion	Ratio	Lower	Upper
41	100		
39	69.8	55.0	82.4
76	41.5	32.8	49.2





#15

Acrylonitrile

Concen: 225.577 ug/l

RT: 5.37 min Scan# 569

Delta R.T. 0.01 min

Lab File: VW010581.D

Acq: 29 May 2019 10:26

Instrument :

MSVOA_W

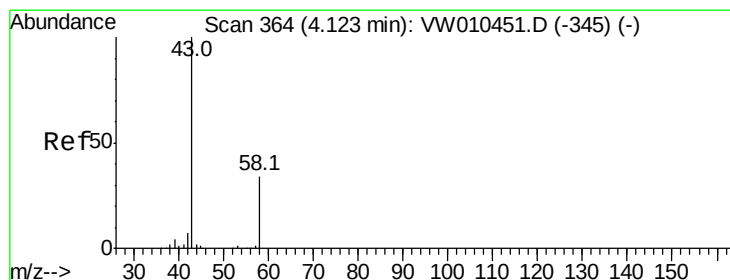
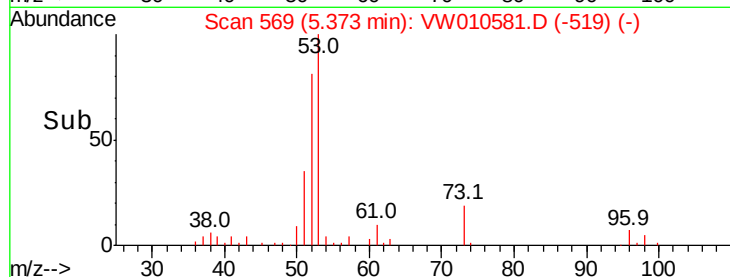
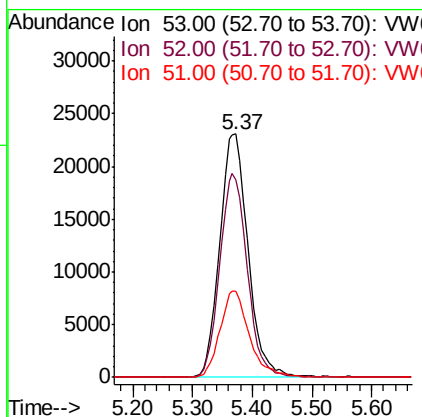
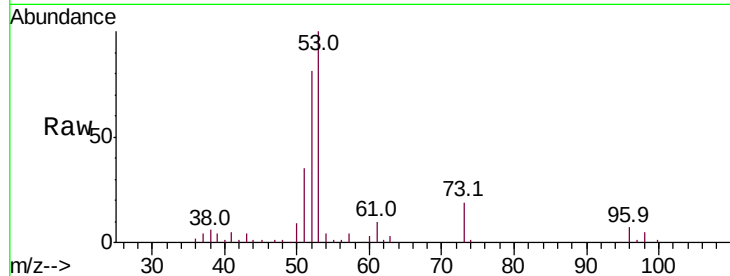
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	76308
Ion	Ratio	Lower	Upper
53	100		
52	81.1	65.6	98.4
51	36.7	29.5	44.3

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#16

Acetone

Concen: 288.899 ug/l

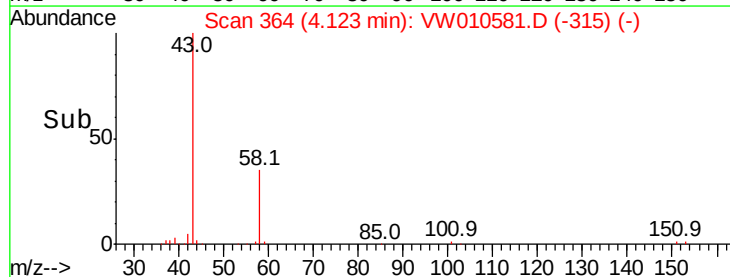
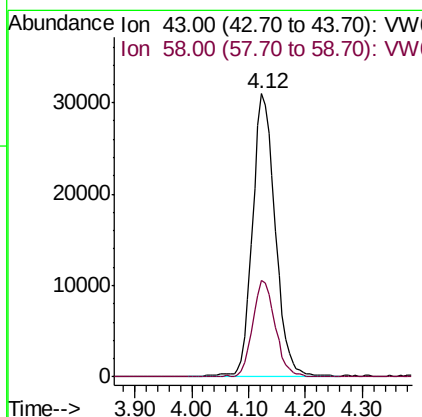
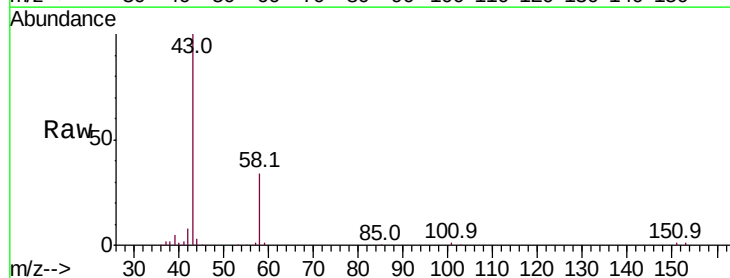
RT: 4.12 min Scan# 364

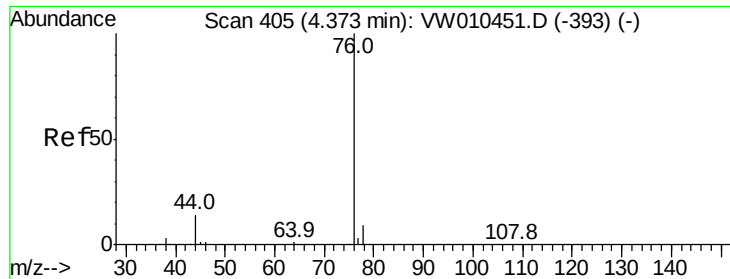
Delta R.T. -0.00 min

Lab File: VW010581.D

Acq: 29 May 2019 10:26

Tgt Ion:	43	Resp:	86321
Ion	Ratio	Lower	Upper
43	100		
58	34.3	27.0	40.4





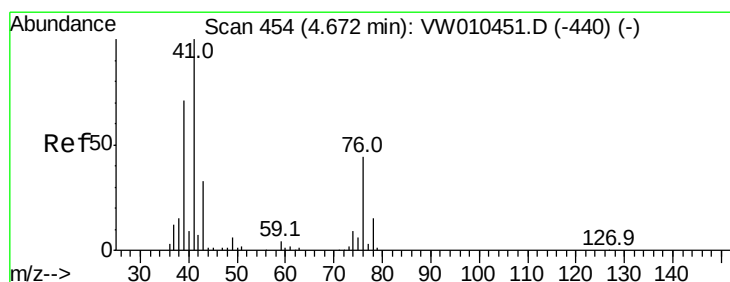
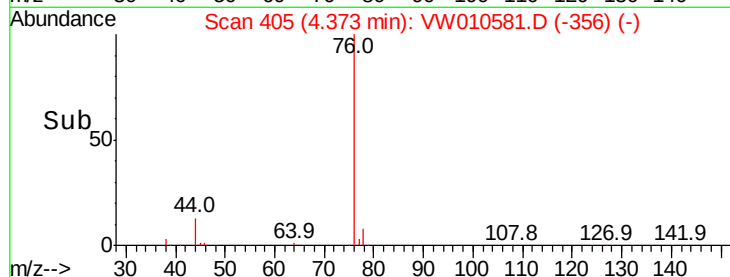
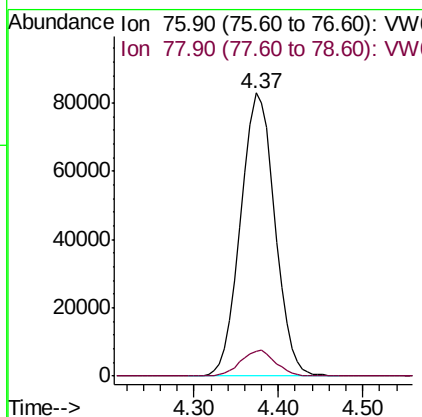
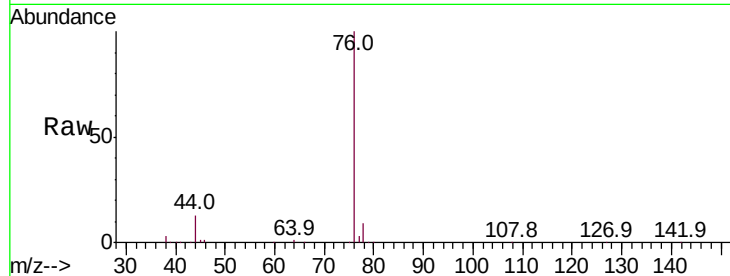
#17
Carbon Disulfide
Concen: 51.271 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.00 min
Lab File: VW010581.D
Acq: 29 May 2019 10:26

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.1	10.7

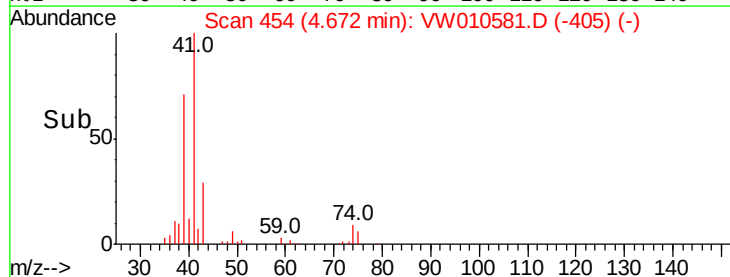
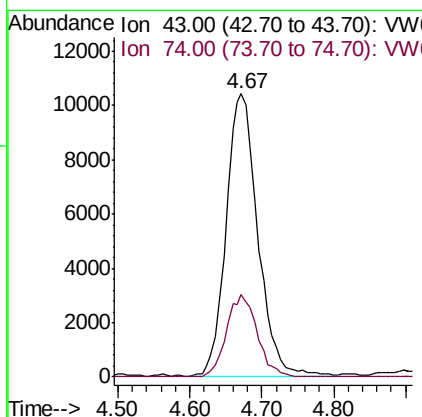
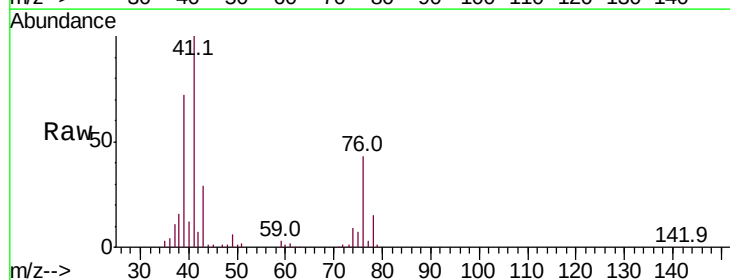
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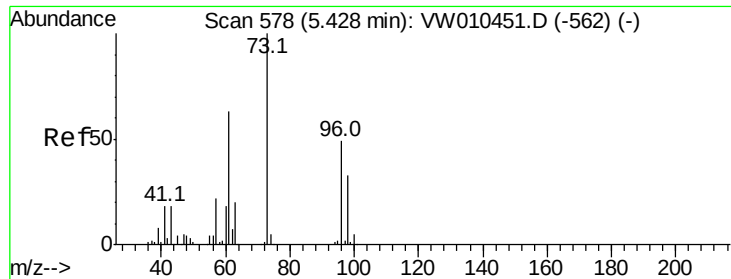
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#18
Methyl Acetate
Concen: 43.898 ug/l
RT: 4.67 min Scan# 454
Delta R.T. -0.00 min
Lab File: VW010581.D
Acq: 29 May 2019 10:26

Tgt Ion	Ratio	Lower	Upper
43	100		
74	27.7	21.6	32.4





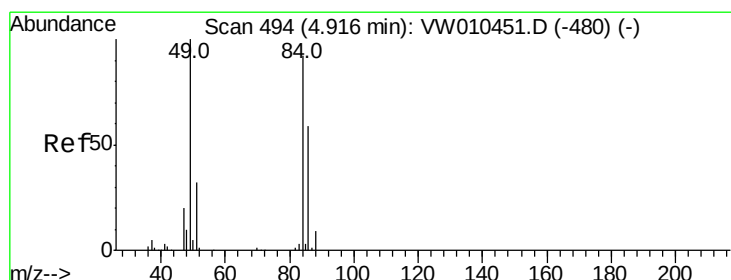
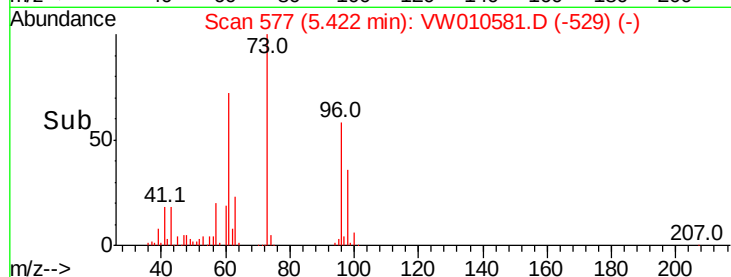
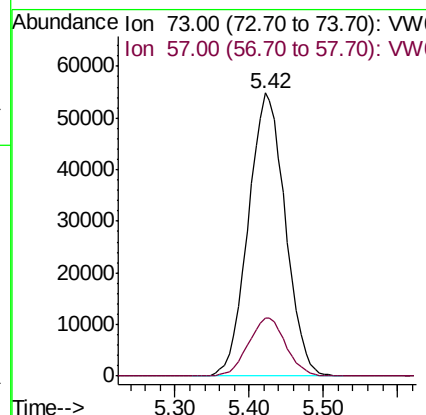
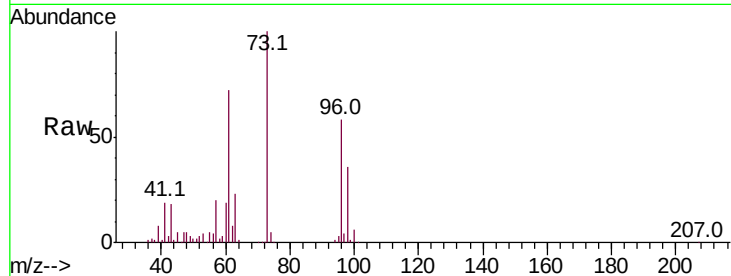
#19
Methyl tert-butyl Ether
Concen: 49.829 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW010581.D
Acq: 29 May 2019 10:26

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 190287
Ion Ratio Lower Upper
73 100
57 20.3 17.4 26.0

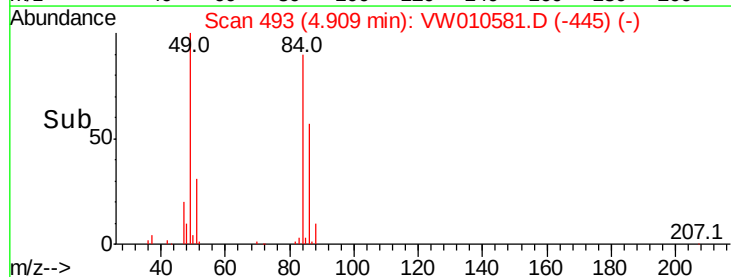
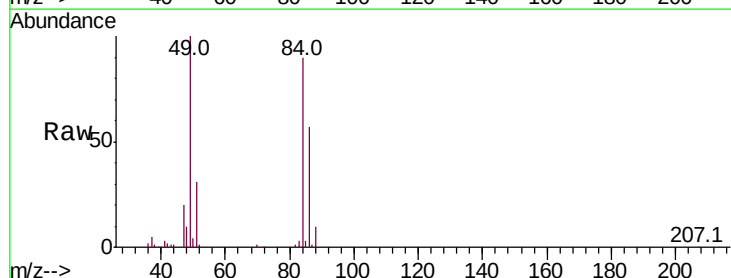
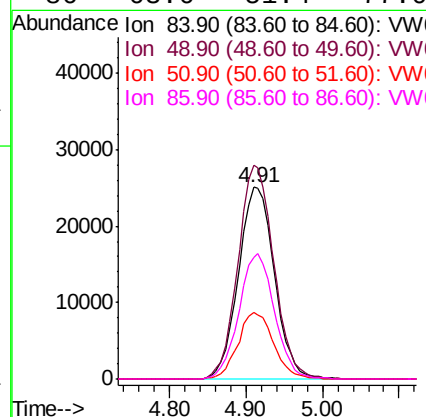
Manual Integrations
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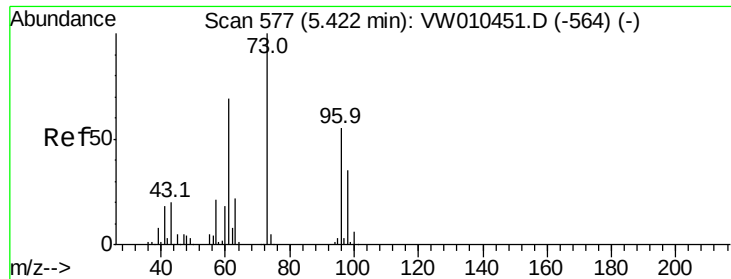
MMDadoda
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#20
Methylene Chloride
Concen: 46.457 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW010581.D
Acq: 29 May 2019 10:26

Tgt Ion: 84 Resp: 82078
Ion Ratio Lower Upper
84 100
49 111.4 87.2 130.8
51 34.9 27.7 41.5
86 63.6 51.4 77.0





#21

trans-1,2-Dichloroethene

Concen: 55.609 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW010581.D

Acq: 29 May 2019 10:26

Instrument :

MSVOA_W

ClientSampled :

VSTDCCC050

Tot Ion: 96 Resp: 95548

Ion Ratio Lower Upper

96 100

61 124.4 101.4 152.0

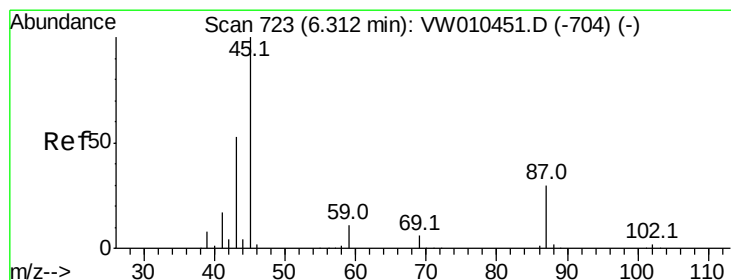
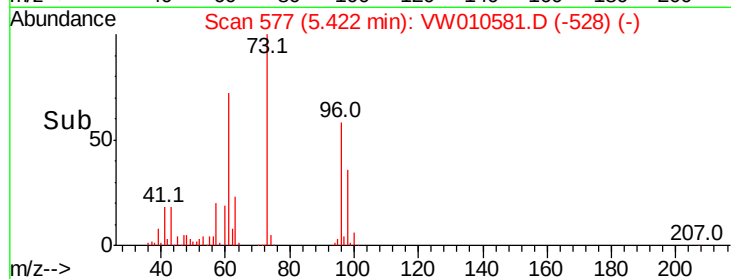
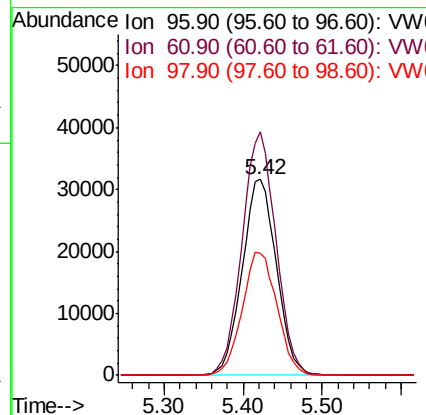
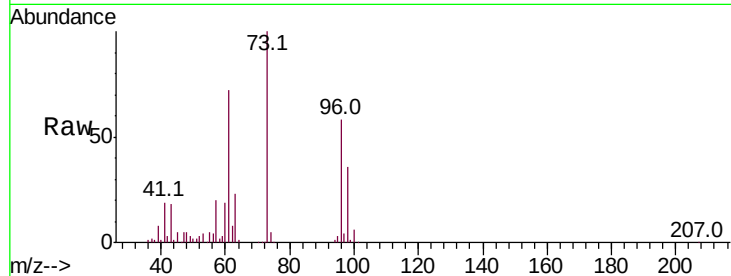
98 62.6 50.6 76.0

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#22

Diisopropyl ether

Concen: 51.463 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.00 min

Lab File: VW010581.D

Acq: 29 May 2019 10:26

Tgt Ion: 45 Resp: 228804

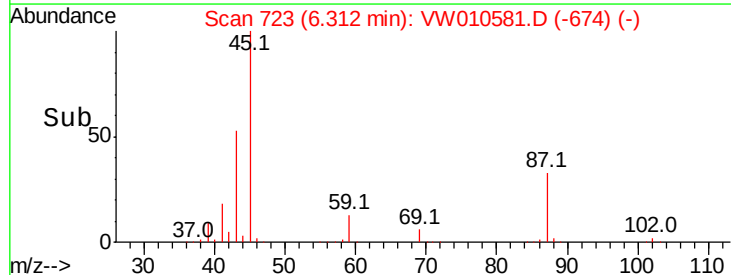
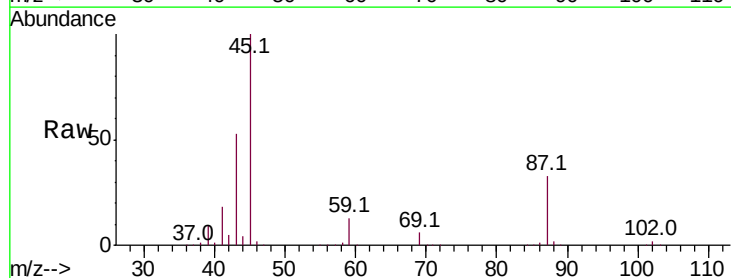
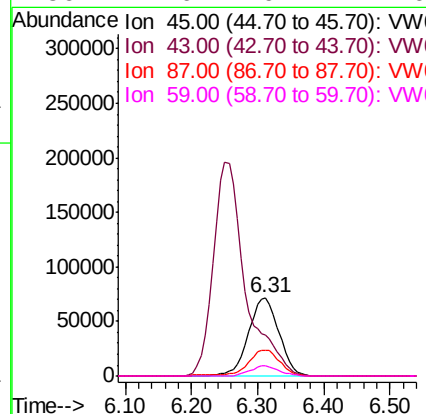
Ion Ratio Lower Upper

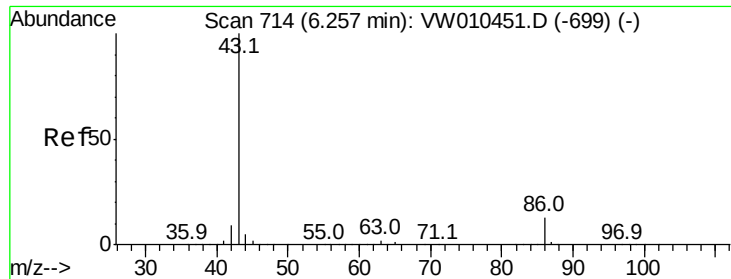
45 100

43 52.3 42.9 64.3

87 33.3 24.6 36.8

59 12.6 9.4 14.0





#23

Vinyl Acetate

Concen: 249.089 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.01 min

Lab File: VW010581.D

Acq: 29 May 2019 10:26

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 661530

Ion Ratio Lower Upper

43 100

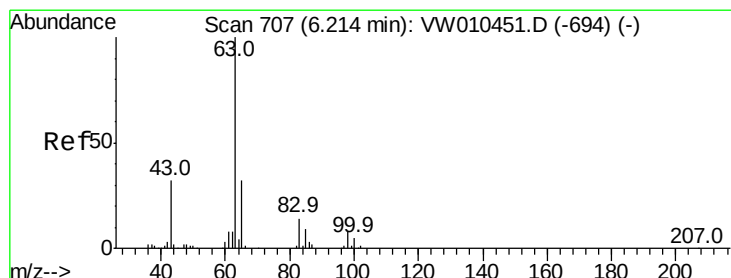
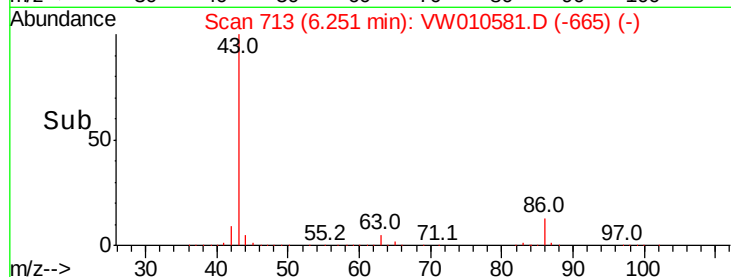
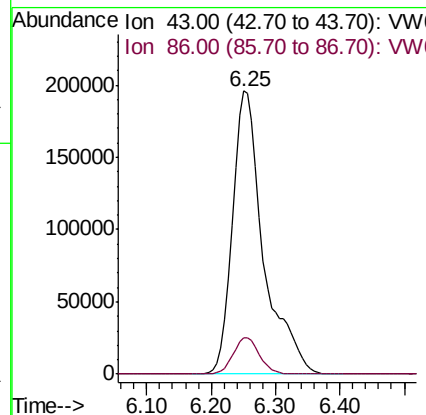
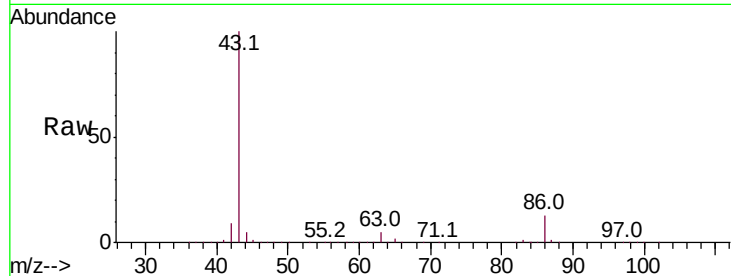
86 12.8 10.3 15.5

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#24

1,1-Dichloroethane

Concen: 54.680 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW010581.D

Acq: 29 May 2019 10:26

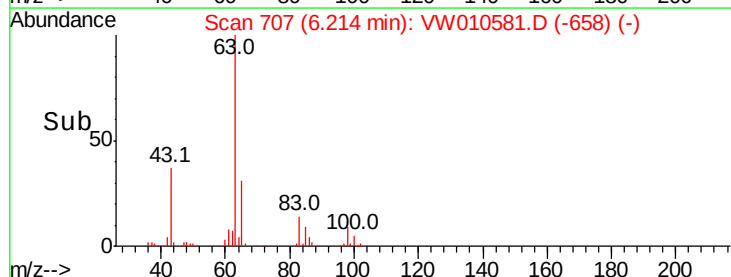
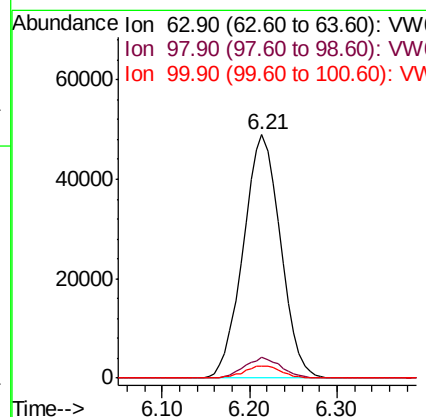
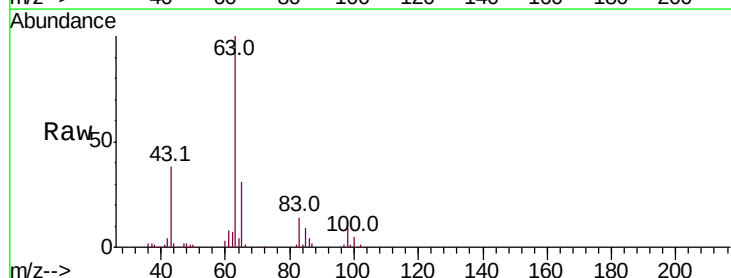
Tgt Ion: 63 Resp: 145076

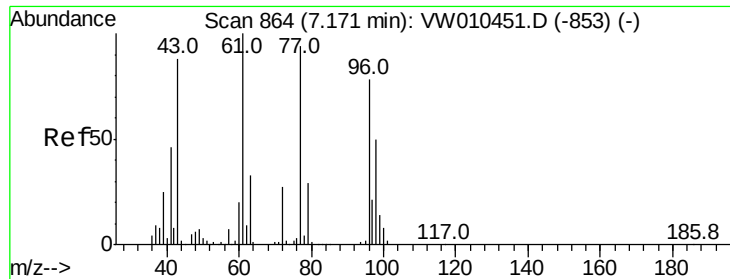
Ion Ratio Lower Upper

63 100

98 8.6 3.8 11.2

100 5.0 2.5 7.4





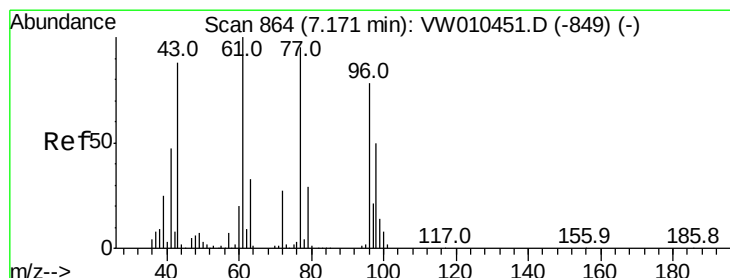
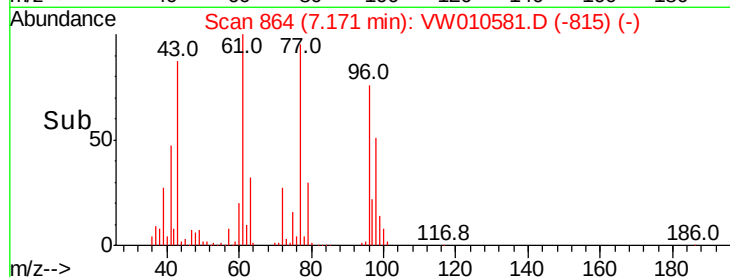
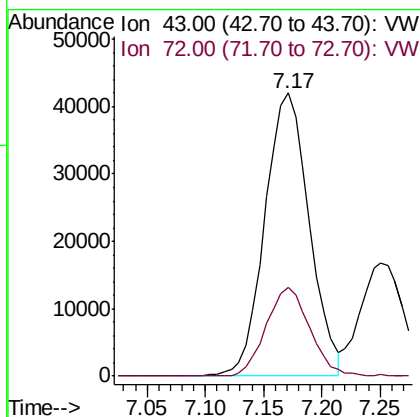
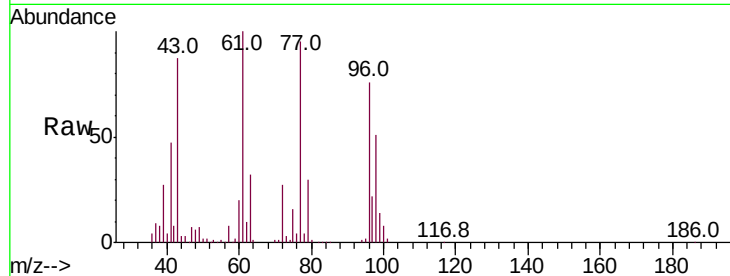
#25
 2-Butanone
 Concen: 258.627 ug/l
 RT: 7.17 min Scan# 864
 Delta R.T. -0.00 min
 Lab File: VW010581.D
 Acq: 29 May 2019 10:26

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	43	72	Resp	110589
Ion Ratio	100	31.3		
Lower		24.1		
Upper		36.1		

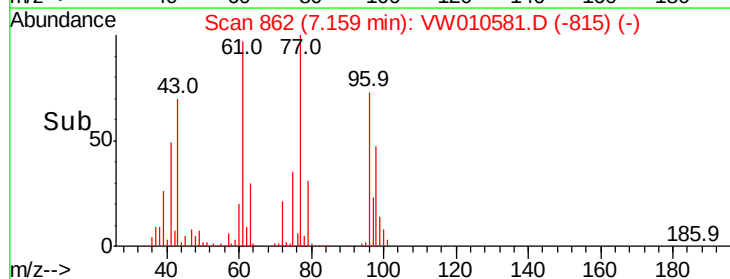
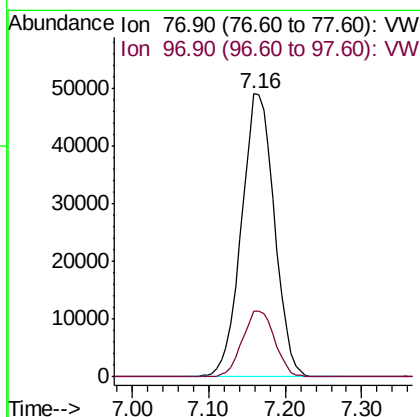
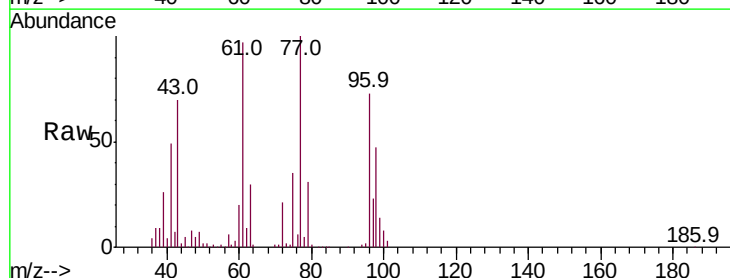
Manual Integrations
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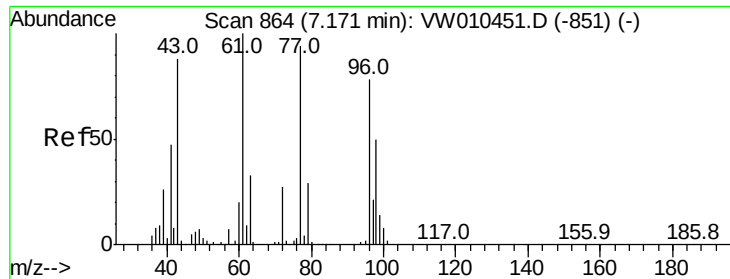
MMDadoda
 5/30/2019 10:13:09 AM



#26
 2,2-Dichloropropane
 Concen: 57.963 ug/l
 RT: 7.16 min Scan# 862
 Delta R.T. -0.01 min
 Lab File: VW010581.D
 Acq: 29 May 2019 10:26

Tgt Ion	77	97	Resp	146489
Ion Ratio	100	22.9		
Lower		11.7		
Upper		35.0		





#27

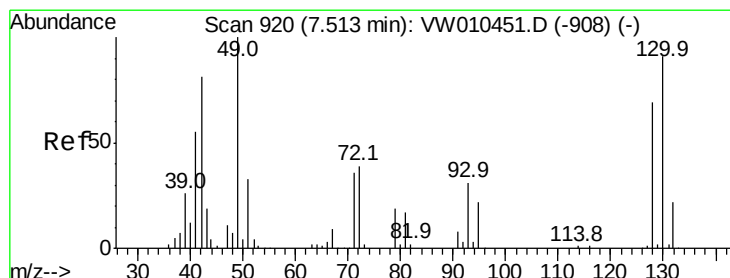
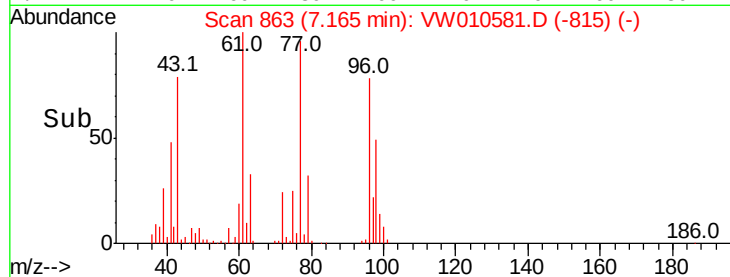
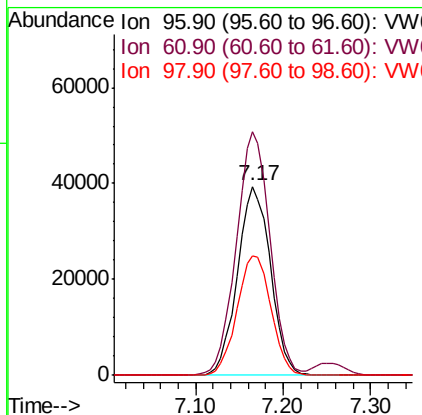
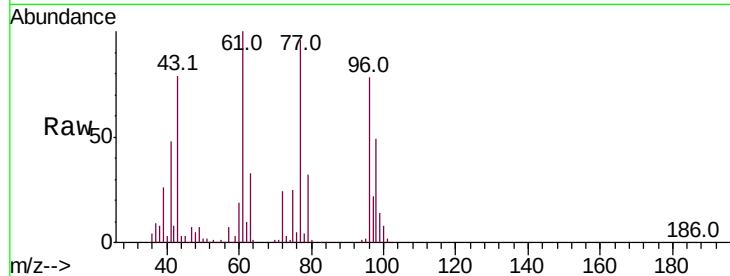
cis-1,2-Dichloroethene
Concen: 55.292 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW010581.D
Acq: 29 May 2019 10:26

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	132.0	0.0	265.4	
98	65.1	0.0	129.4	

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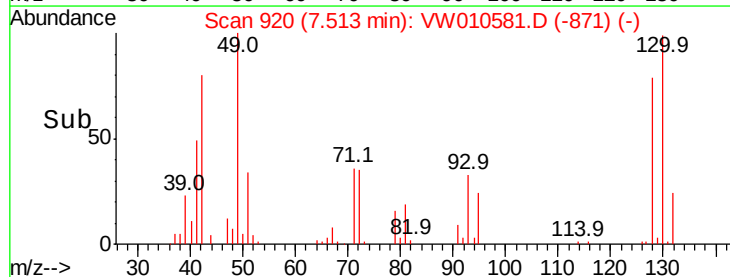
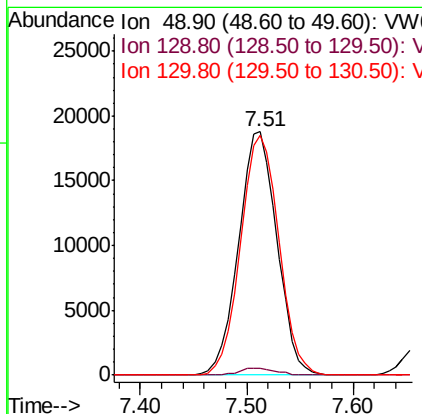
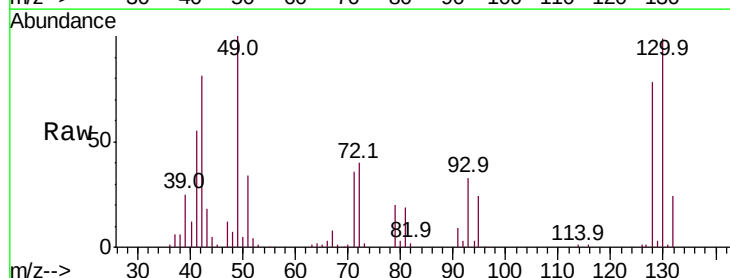
MMDadoda
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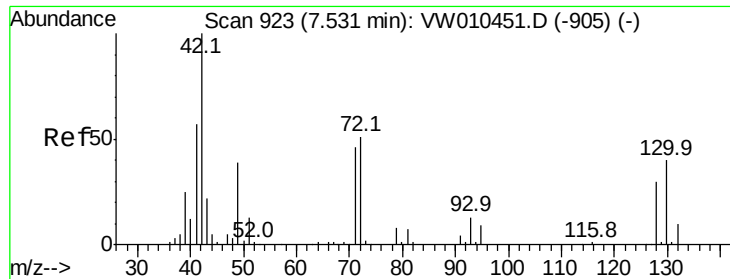


#28

Bromochloromethane
Concen: 49.929 ug/l
RT: 7.51 min Scan# 920
Delta R.T. -0.00 min
Lab File: VW010581.D
Acq: 29 May 2019 10:26

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.6	0.0	4.8	
130	98.5	71.2	106.8	





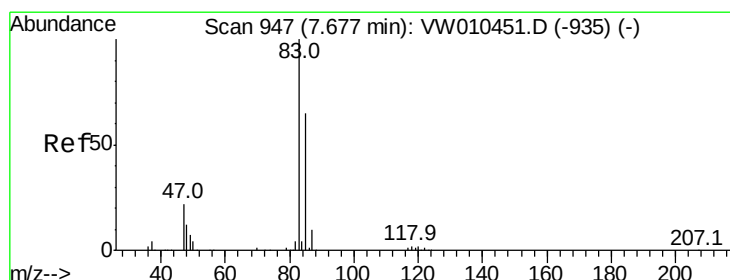
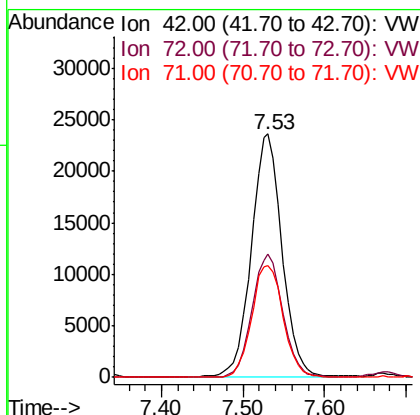
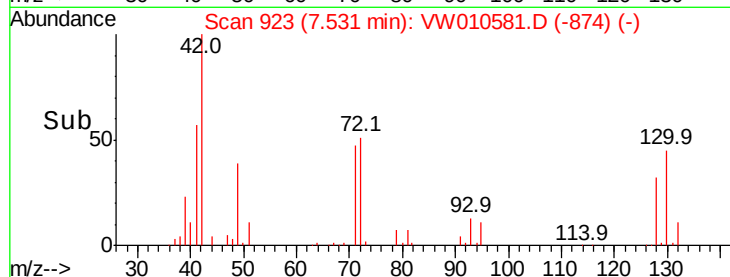
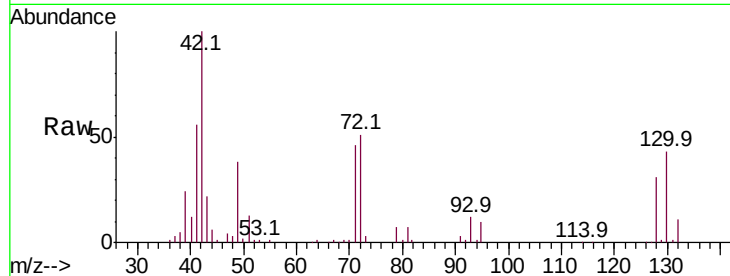
#29
Tetrahydrofuran
Concen: 215.250 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW010581.D
Acq: 29 May 2019 10:26

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	50.3	38.5	57.7
71	47.0	36.5	54.7

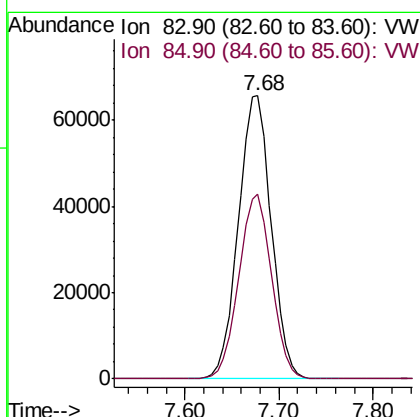
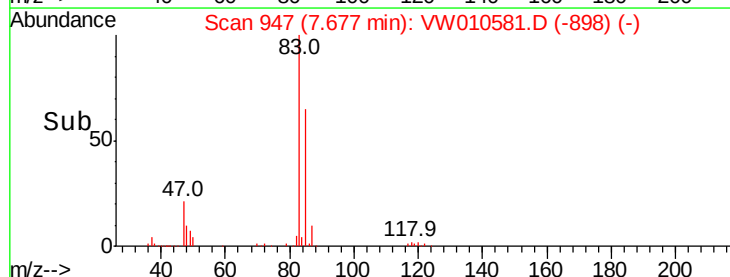
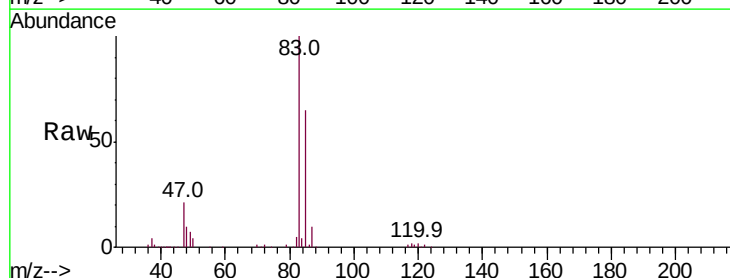
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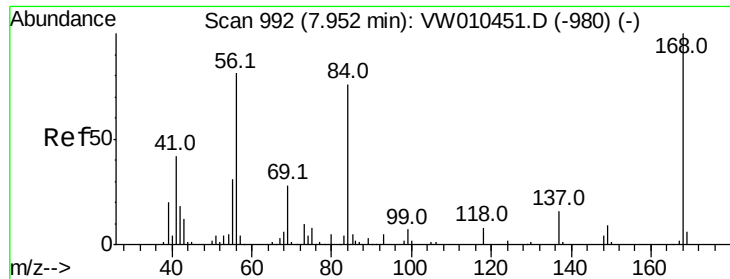
MMDadoda
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#30
Chloroform
Concen: 55.637 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW010581.D
Acq: 29 May 2019 10:26

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.4	52.2	78.4





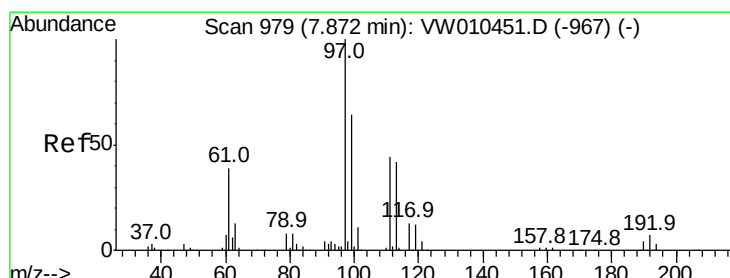
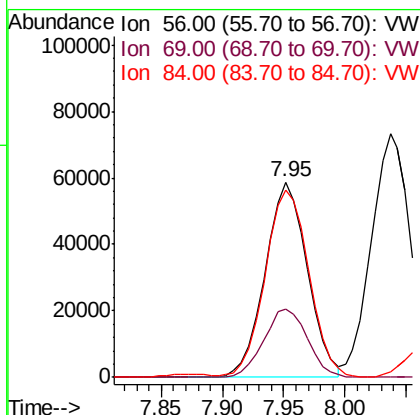
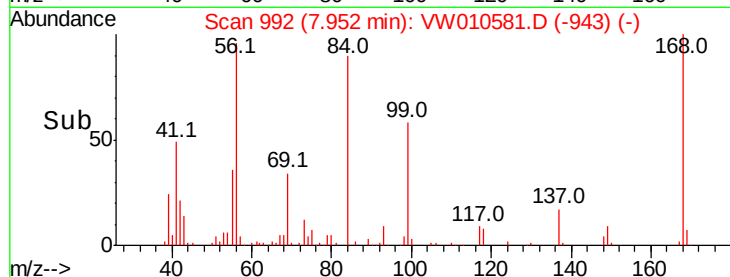
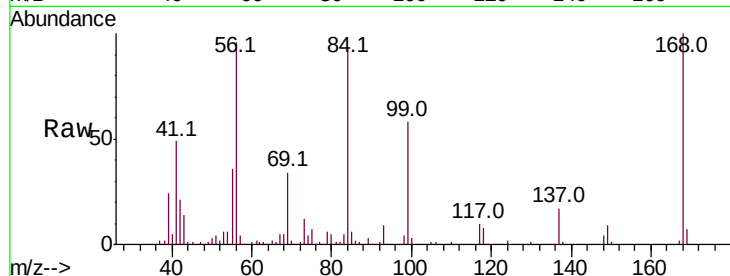
#31
Cyclohexane
Concen: 50.923 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW010581.D
Acq: 29 May 2019 10:26

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion:	56	Resp:	141526
Ion	Ratio	Lower	Upper
56	100		
69	35.3	28.2	42.2
84	94.6	75.8	113.8

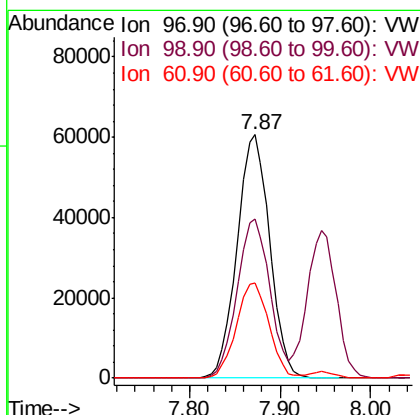
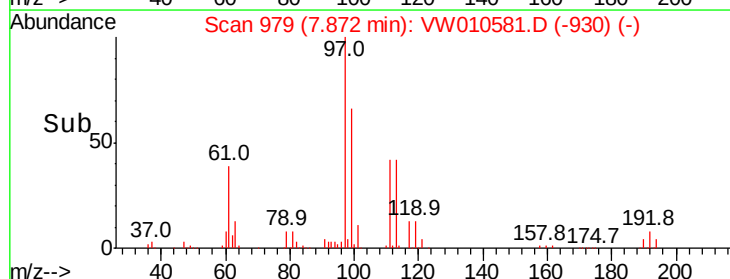
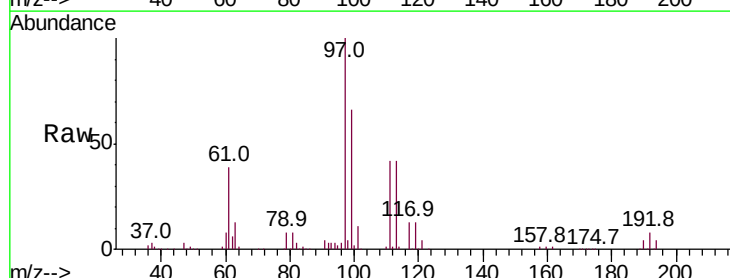
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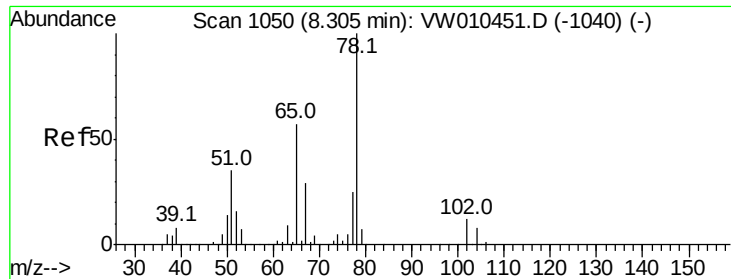
MMDadoda
5/30/2019 10:13:09 AM



#32
1,1,1-Trichloroethane
Concen: 55.358 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW010581.D
Acq: 29 May 2019 10:26

Tgt Ion:	97	Resp:	151420
Ion	Ratio	Lower	Upper
97	100		
99	65.8	50.8	76.2
61	39.4	32.1	48.1





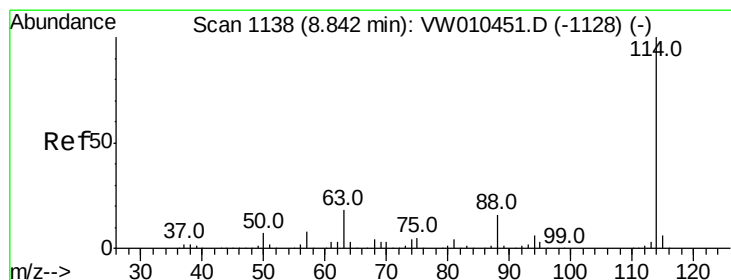
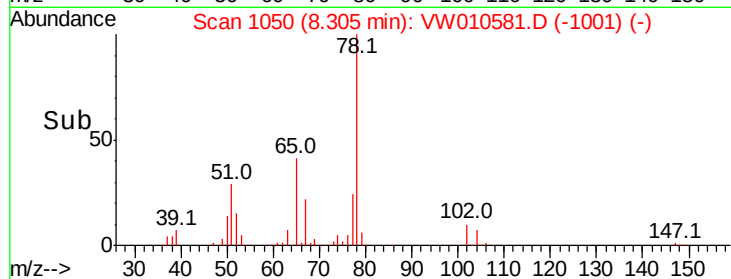
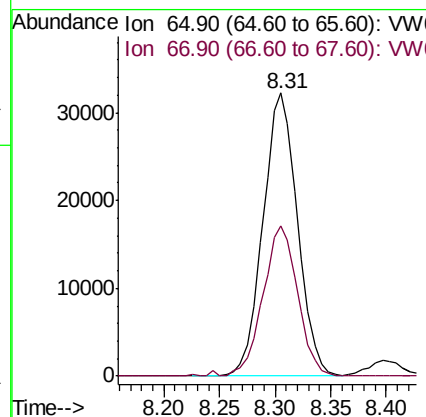
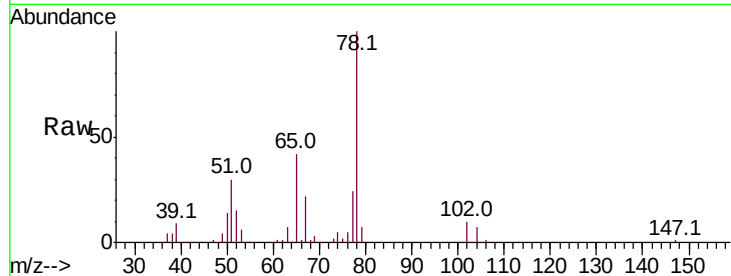
#33
 1,2-Dichloroethane-d4
 Concen: 47.446 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW010581.D
 Acq: 29 May 2019 10:26

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.1	0.0	103.6

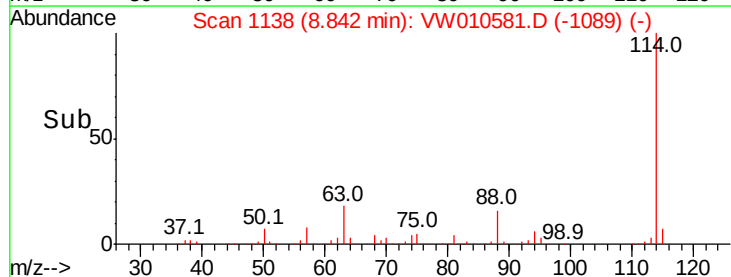
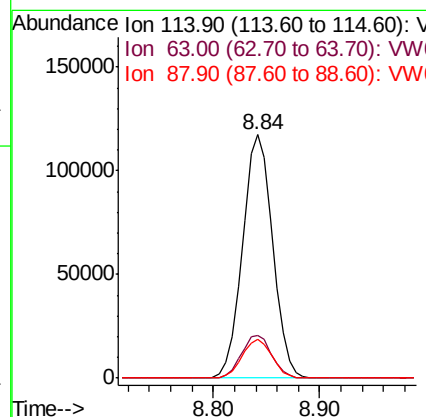
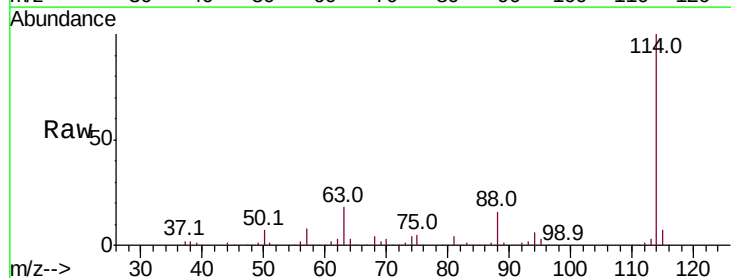
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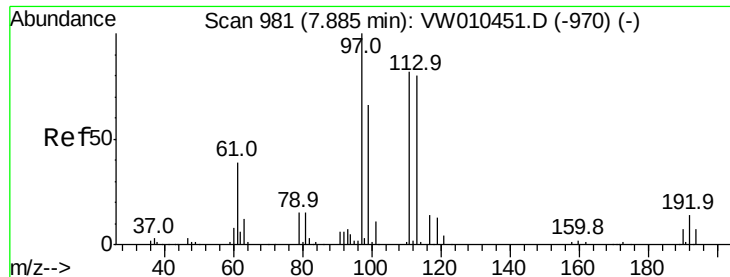
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 5/30/2019 10:13:09 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW010581.D
 Acq: 29 May 2019 10:26

Tgt Ion	Ratio	Lower	Upper
114	100		
63	17.7	0.0	36.0
88	16.0	0.0	32.0





#35

Dibromofluoromethane

Concen: 53.249 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW010581.D

Acq: 29 May 2019 10:26

Instrument :

MSVOA_W

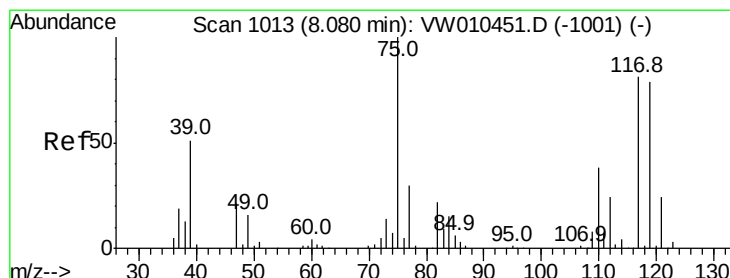
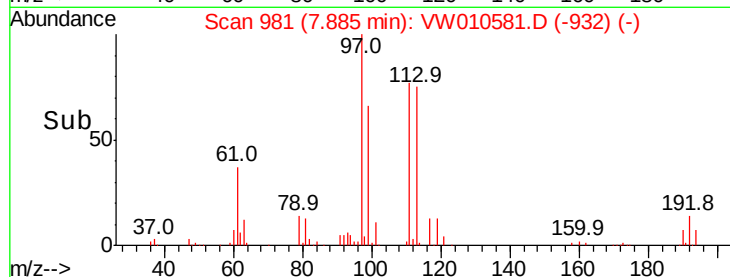
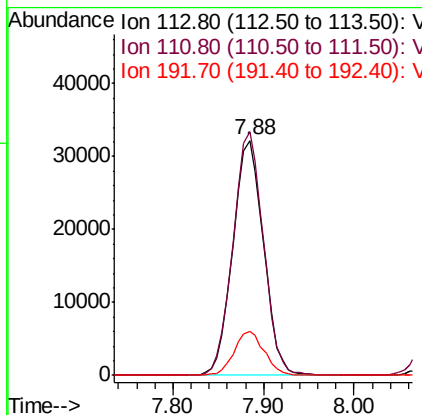
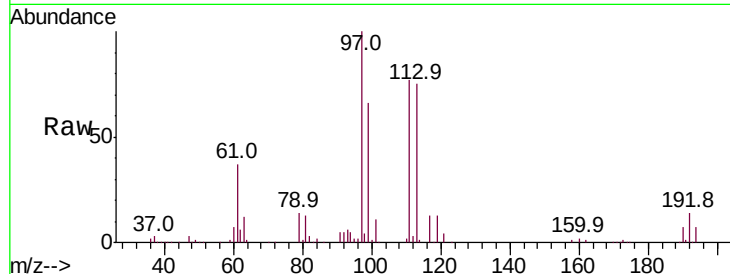
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.8	82.2	123.4
192	18.4	14.3	21.5

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#36

1,1-Dichloropropene

Concen: 58.190 ug/l

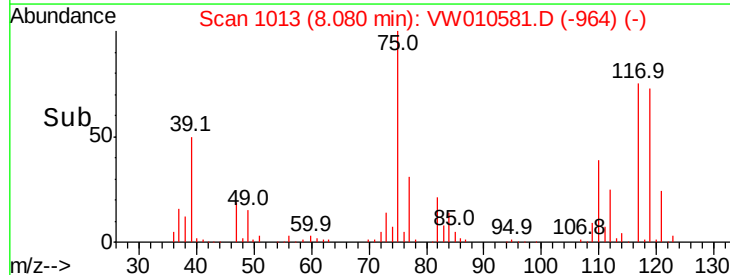
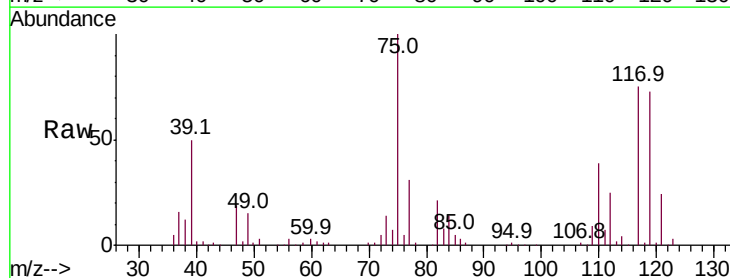
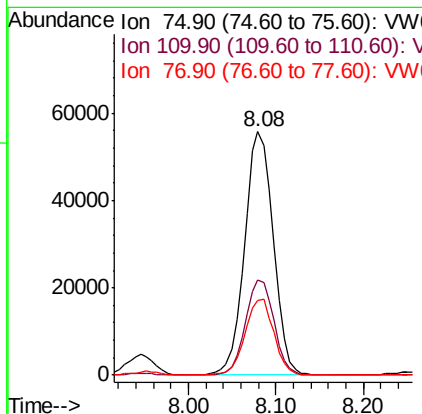
RT: 8.08 min Scan# 1013

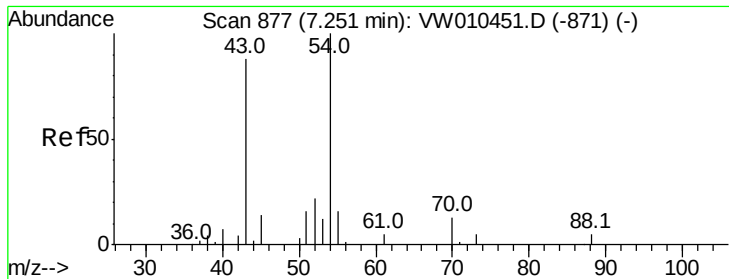
Delta R.T. -0.00 min

Lab File: VW010581.D

Acq: 29 May 2019 10:26

Tgt Ion	Ratio	Lower	Upper
75	100		
110	38.8	19.2	57.6
77	31.5	25.2	37.8





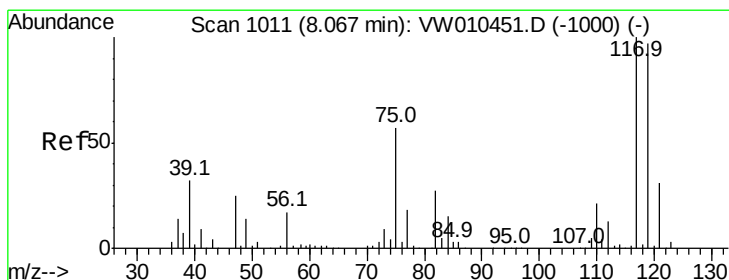
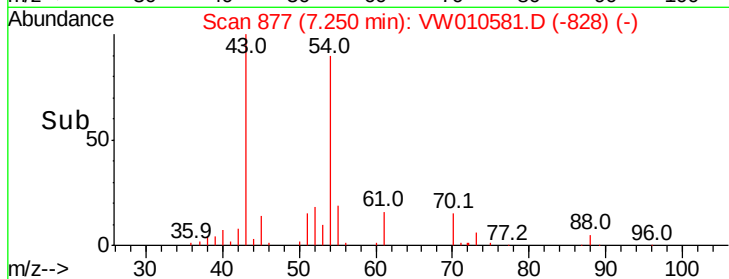
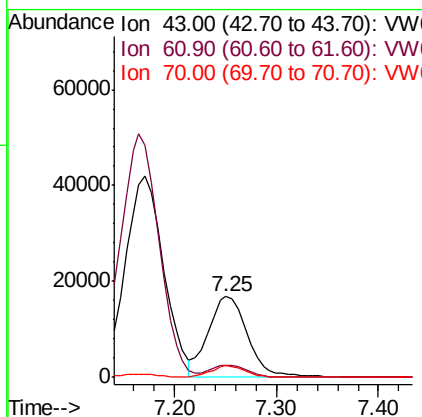
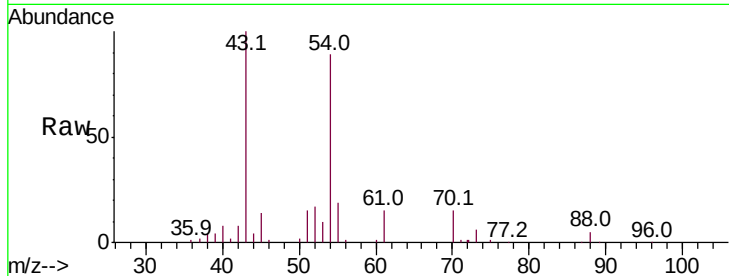
#37
Ethyl Acetate
Concen: 48.319 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW010581.D
Acq: 29 May 2019 10:26

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.9	11.2	16.8
70	13.0	9.9	14.9

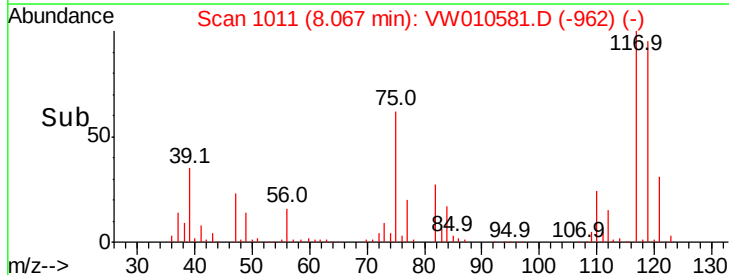
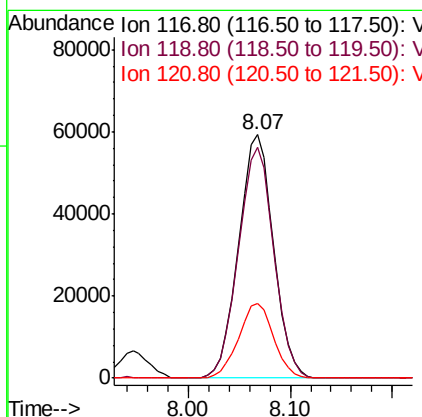
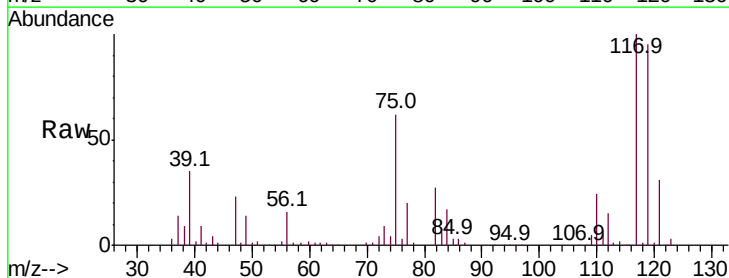
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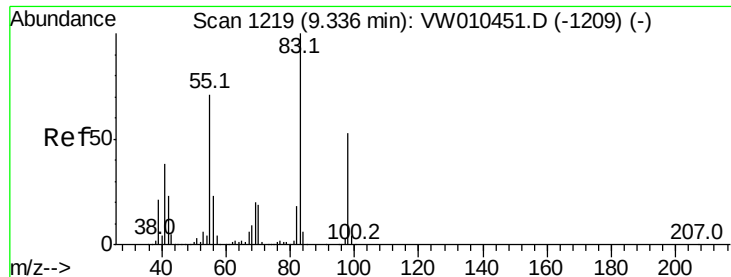
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#38
Carbon Tetrachloride
Concen: 59.943 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW010581.D
Acq: 29 May 2019 10:26

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.8	77.4	116.0
121	30.9	25.0	37.6





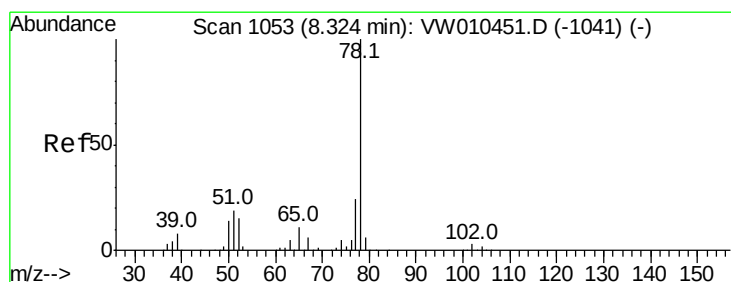
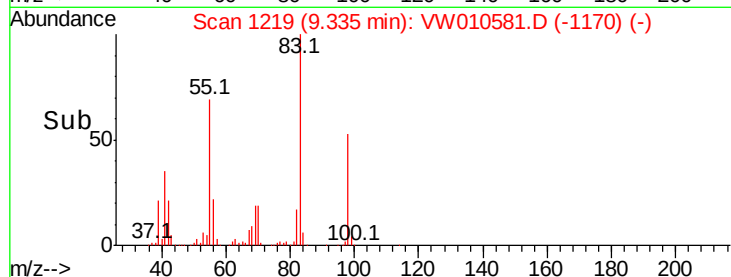
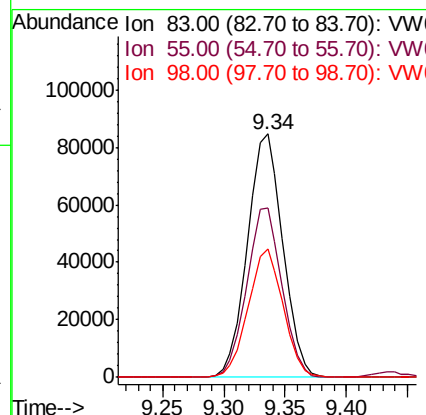
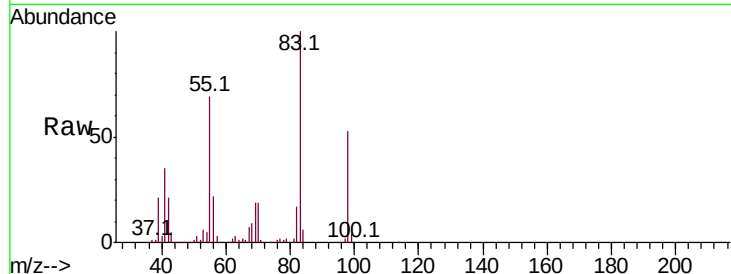
#39
Methylvlcyclohexane
Concen: 58.464 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW010581.D
Acq: 29 May 2019 10:26

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

Tot Ion	83	Resp	170542
Ion Ratio	100	Lower	Upper
83	100		
55	69.4	57.0	85.6
98	52.6	42.0	63.0

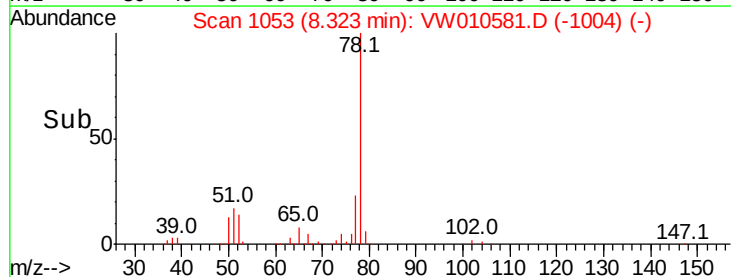
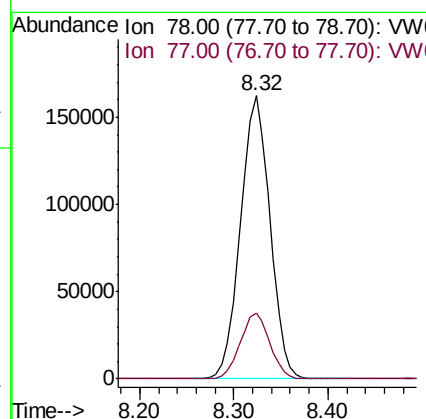
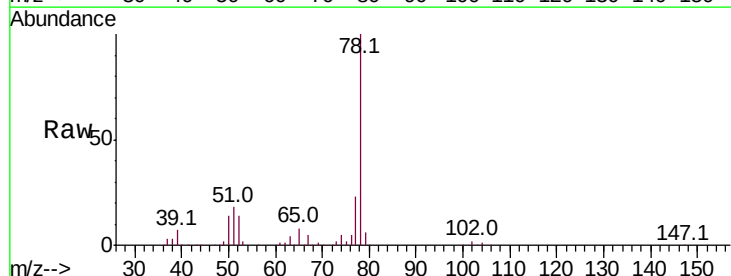
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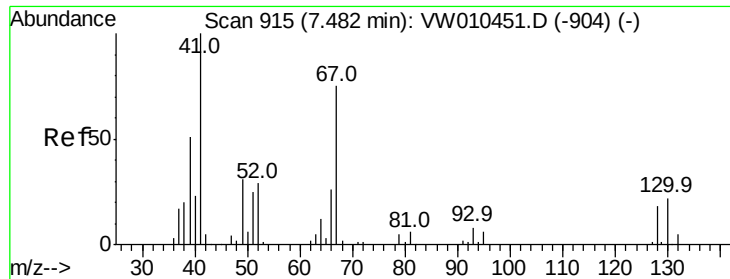
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#40
Benzene
Concen: 58.125 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW010581.D
Acq: 29 May 2019 10:26

Tgt Ion	78	Resp	351749
Ion Ratio	100	Lower	Upper
78	100		
77	23.4	18.9	28.3





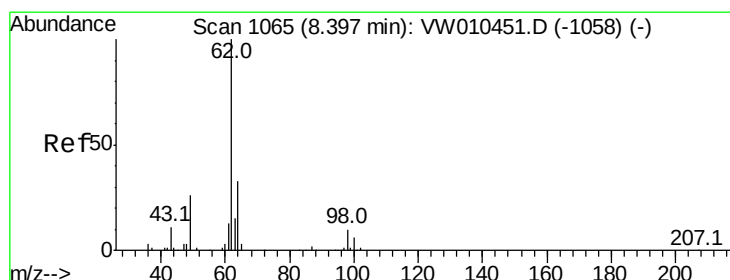
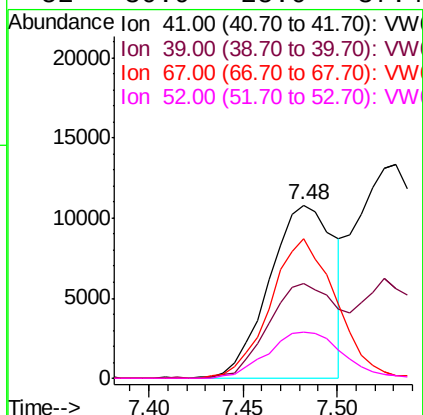
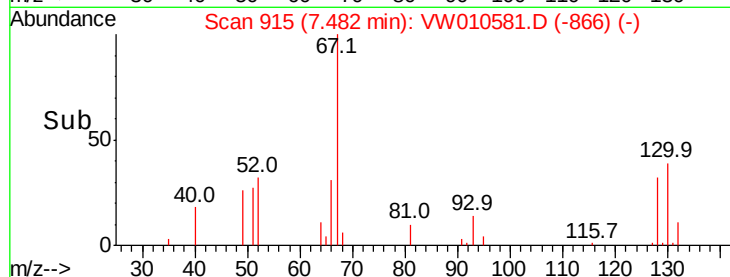
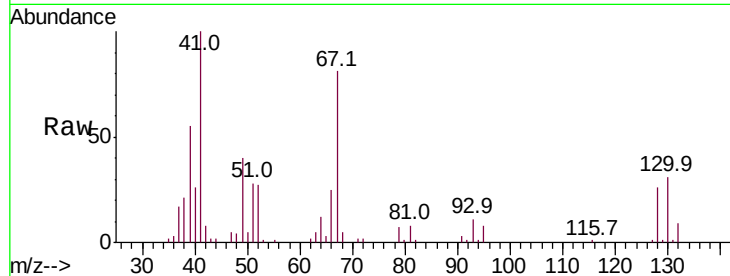
#41
Methacrylonitrile
Concen: 47.317 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW010581.D
Acq: 29 May 2019 10:26

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	41	Resp	26031
Ion Ratio	Lower	Upper	
41	100		
39	60.2	47.4	71.2
67	81.1	65.5	98.3
52	30.9	25.0	37.4

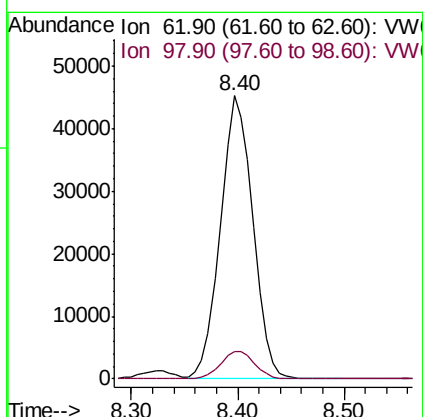
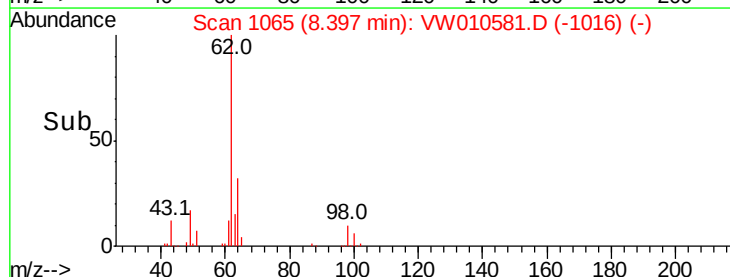
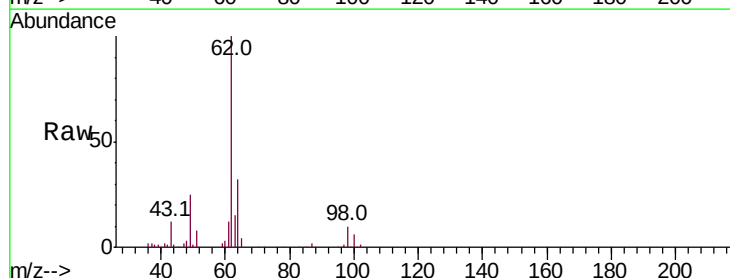
Manual Integrations
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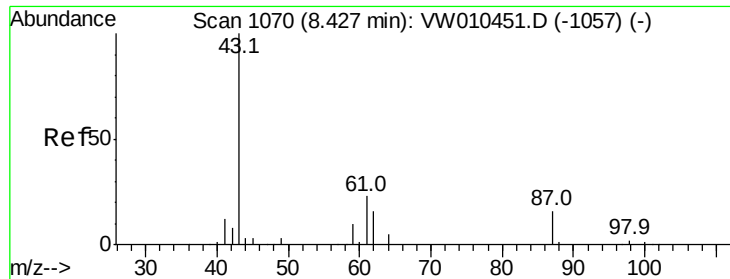
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#42
1,2-Dichloroethane
Concen: 55.497 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW010581.D
Acq: 29 May 2019 10:26

Tgt Ion	62	Resp	95988
Ion Ratio	Lower	Upper	
62	100		
98	10.3	0.0	21.0





#43

Isopropyl Acetate

Concen: 47.613 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.00 min

Lab File: VW010581.D

Acq: 29 May 2019 10:26

Instrument :

MSVOA_W

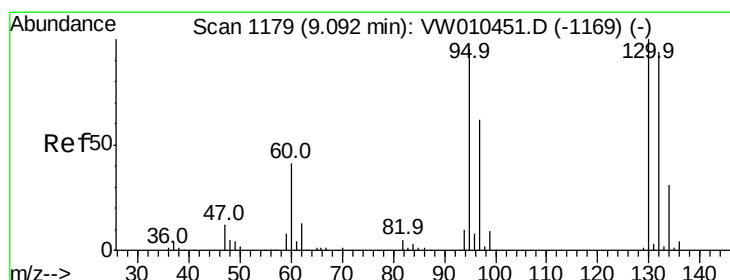
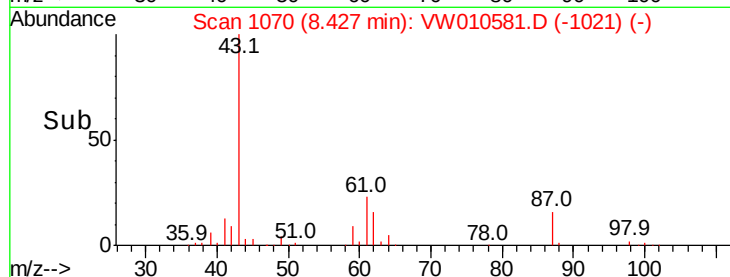
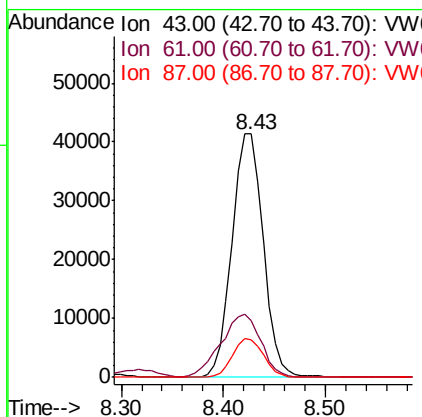
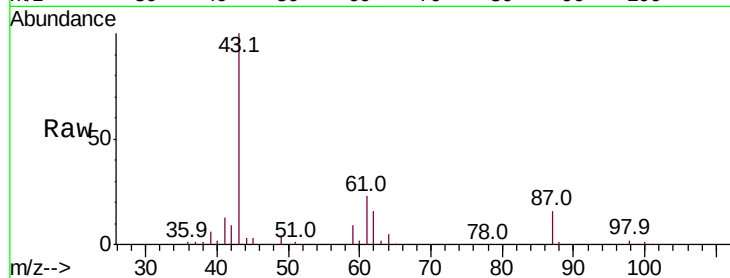
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	88071
Ion	Ratio	Lower	Upper
43	100		
61	33.1	25.4	38.2
87	15.7	12.7	19.1

Manual Integrations
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5/30/2019 10:13:09 AM



#44

Trichloroethene

Concen: 59.612 ug/l

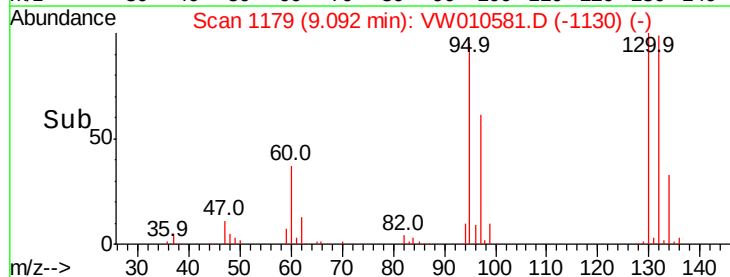
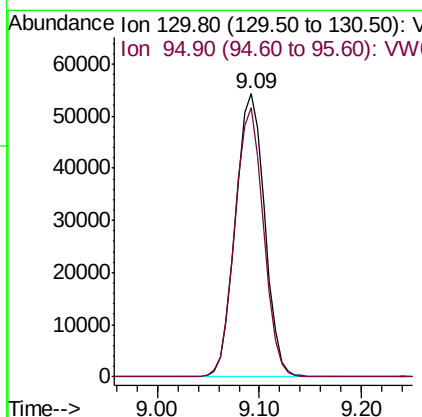
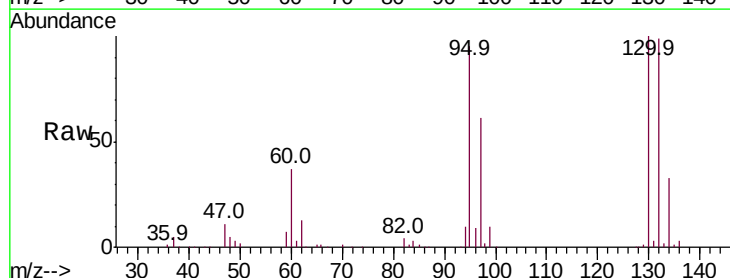
RT: 9.09 min Scan# 1179

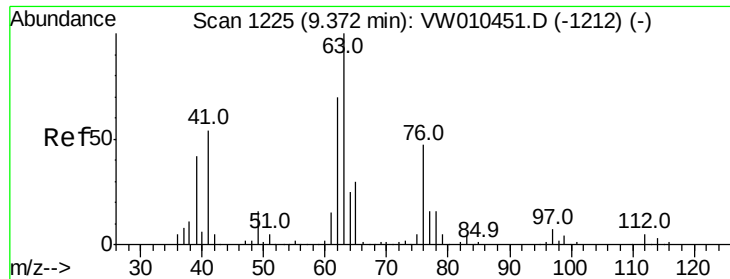
Delta R.T. -0.00 min

Lab File: VW010581.D

Acq: 29 May 2019 10:26

Tgt Ion:	130	Resp:	107099
Ion	Ratio	Lower	Upper
130	100		
95	95.4	0.0	189.6





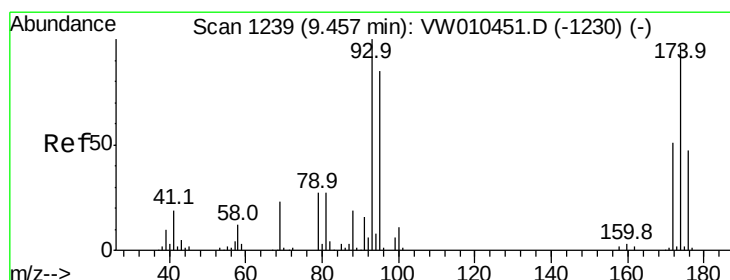
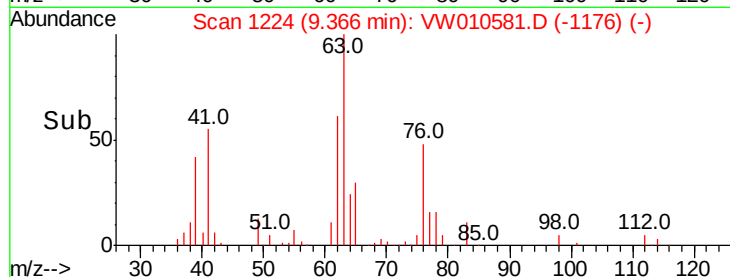
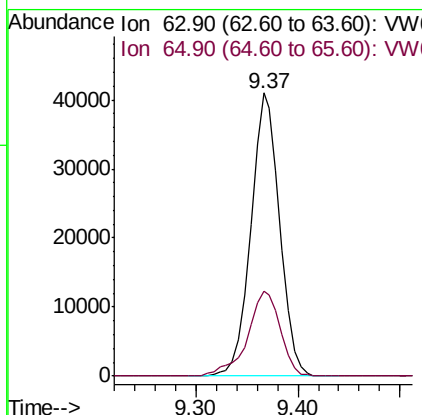
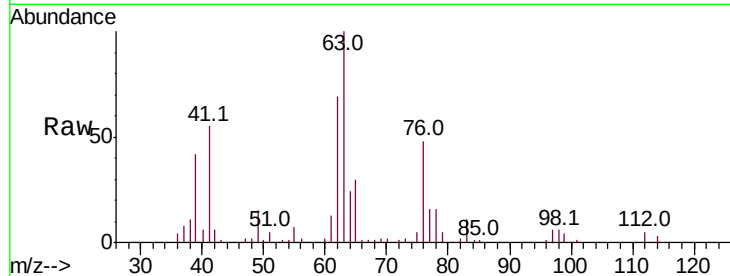
#45
 1,2-Dichloropropane
 Concen: 55.973 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.01 min
 Lab File: VW010581.D
 Acq: 29 May 2019 10:26

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.2	24.3	36.5

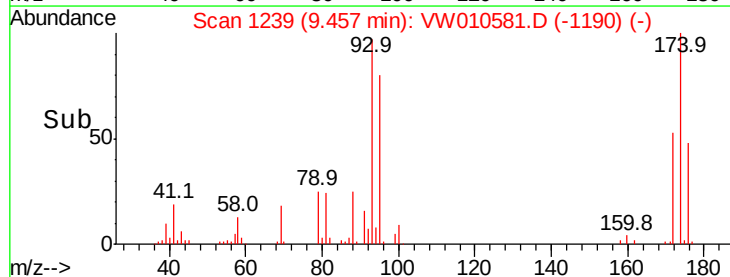
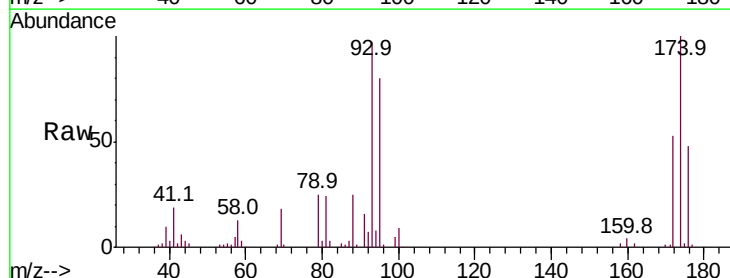
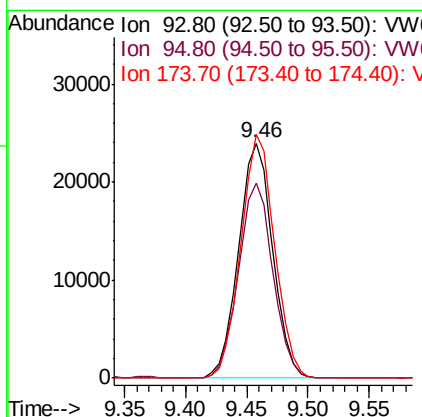
Manual Integrations
 APPROVED

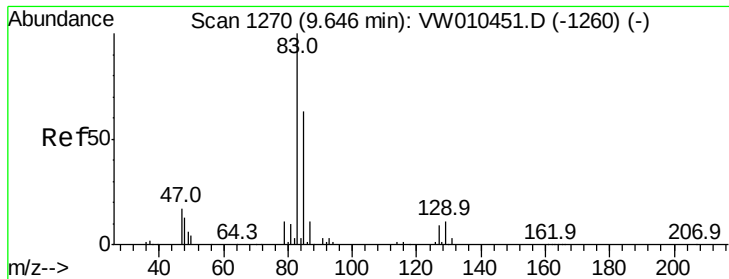
MMDadoda
 5/30/2019 10:13:09 AM



#46
 Dibromomethane
 Concen: 55.111 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW010581.D
 Acq: 29 May 2019 10:26

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.8	66.1	99.1
174	102.8	77.1	115.7





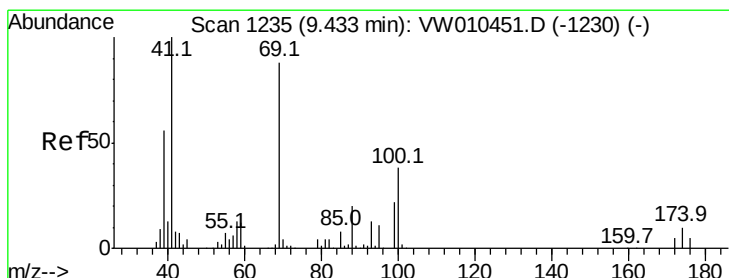
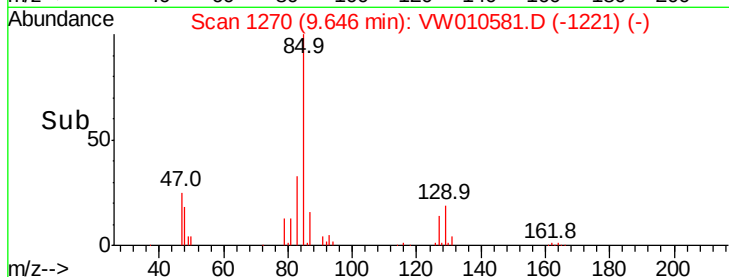
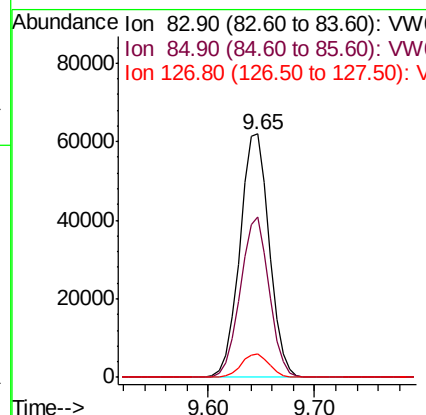
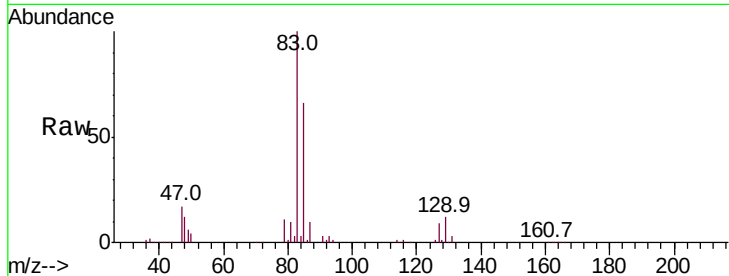
#47
 Bromodichloromethane
 Concen: 56.886 ug/l
 RT: 9.65 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VW010581.D
 Acq: 29 May 2019 10:26

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	120157		
85	65.7		50.4	75.6
127	9.5		7.4	11.0

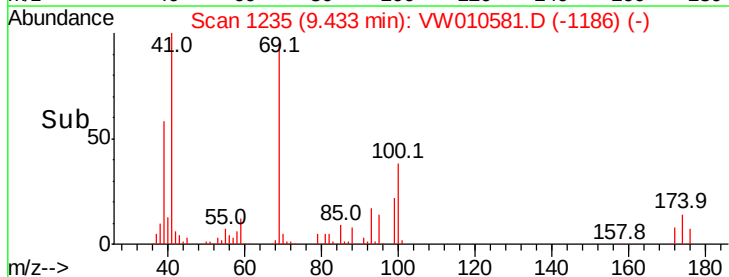
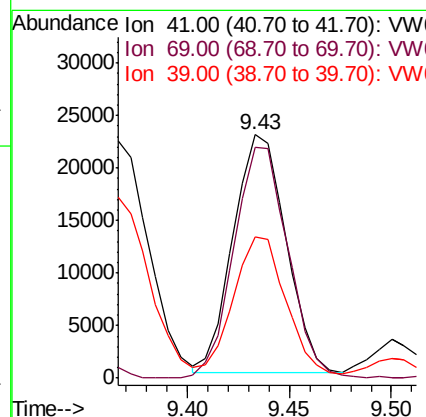
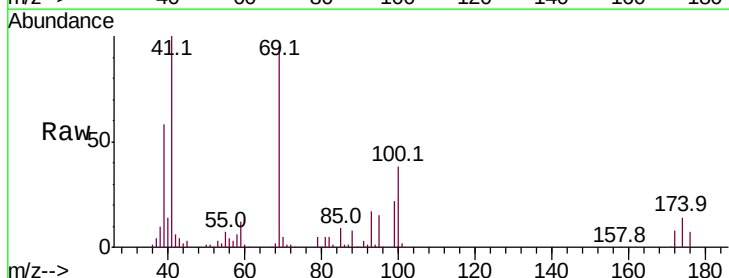
Manual Integrations
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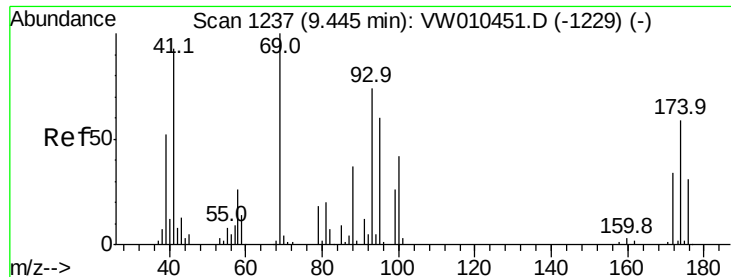
MMDadoda
 5/30/2019 10:13:09 AM



#48
 Methyl methacrylate
 Concen: 47.872 ug/l
 RT: 9.43 min Scan# 1235
 Delta R.T. -0.00 min
 Lab File: VW010581.D
 Acq: 29 May 2019 10:26

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	40510		
69	100.8		77.6	116.4
39	57.3		49.8	74.8





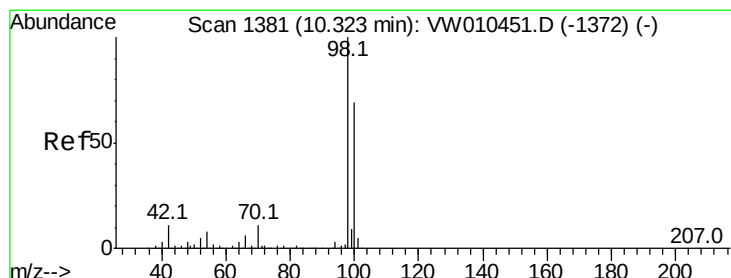
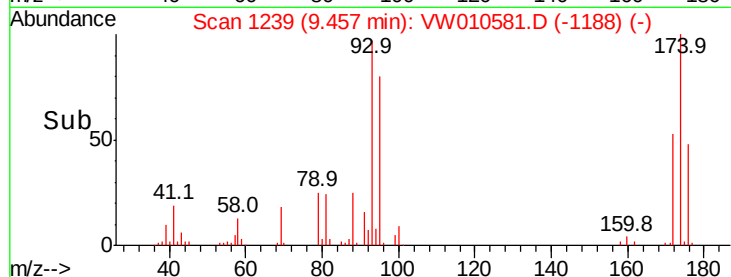
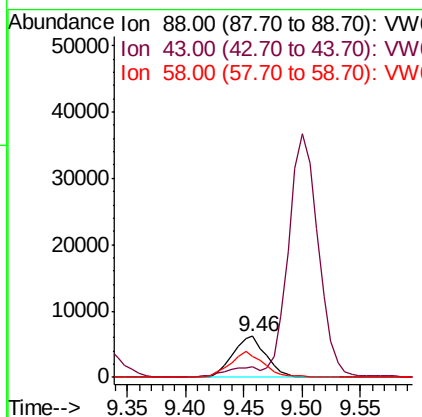
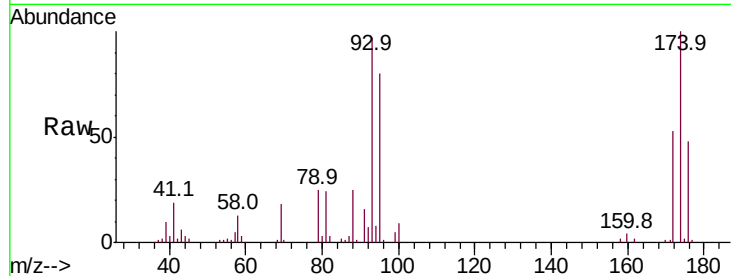
#49
1,4-Dioxane
Concen: 906.002 ug/l
RT: 9.46 min Scan# 1239
Delta R.T. 0.01 min
Lab File: VW010581.D
Acq: 29 May 2019 10:26

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	24.4	25.9	38.9#
58	64.6	52.7	79.1

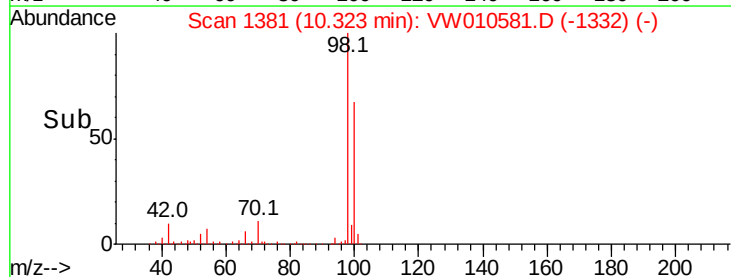
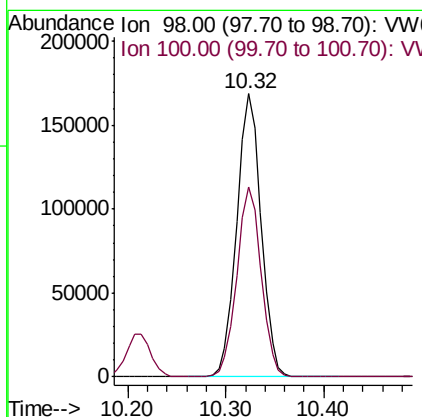
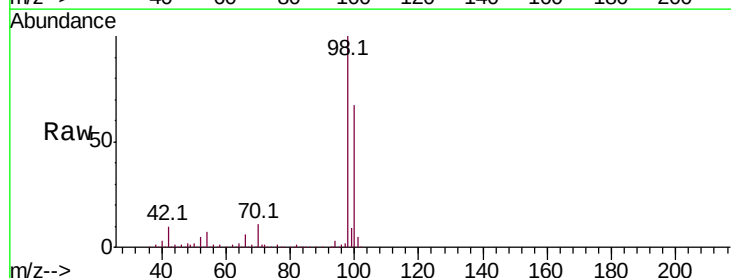
Manual Integrations
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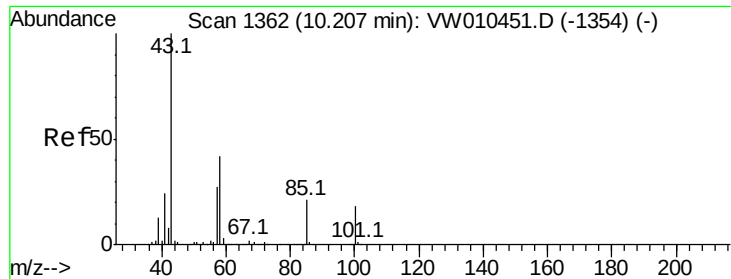
MMDadoda
5/30/2019 10:13:09 AM



#50
Toluene-d8
Concen: 53.829 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW010581.D
Acq: 29 May 2019 10:26

Tgt Ion	Ratio	Lower	Upper
98	100		
100	67.1	53.7	80.5





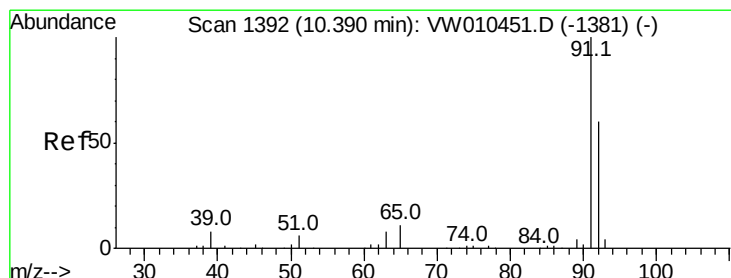
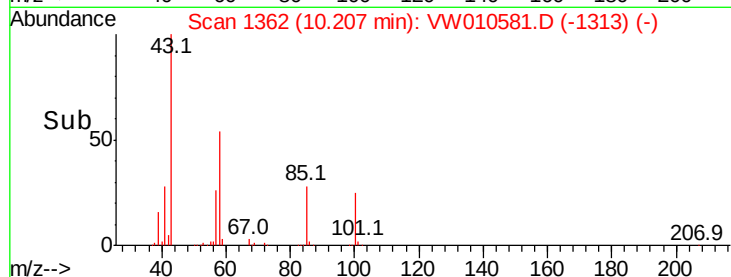
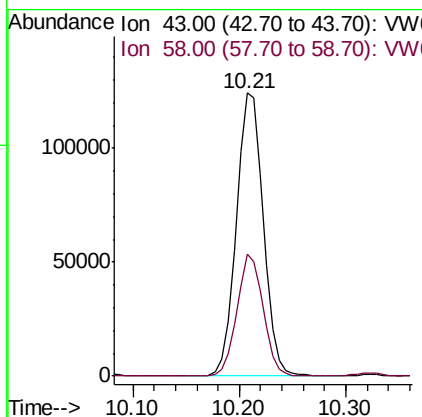
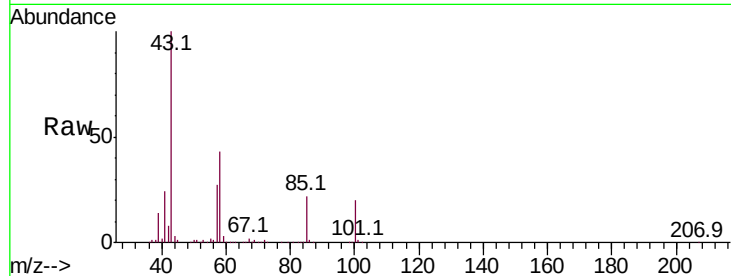
#51
4-Methyl-2-Pentanone
Concen: 236.335 ug/l
RT: 10.21 min Scan# 1362
Delta R.T. -0.00 min
Lab File: VW010581.D
Acq: 29 May 2019 10:26

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

Tot Ion	43	58	Ratio	100	41.7	Resp	221515	Lower	33.2	Upper	49.8
Ion	43	58	Ratio	100	41.7	Resp	221515	Lower	33.2	Upper	49.8

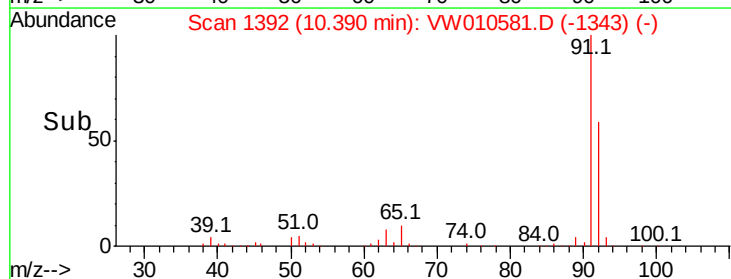
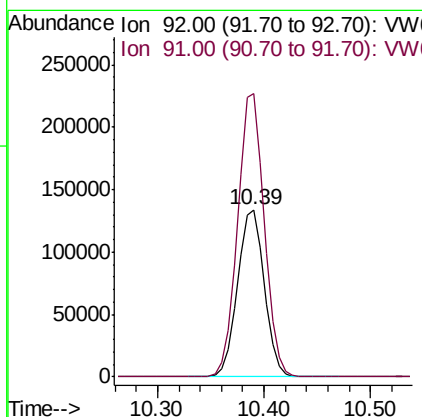
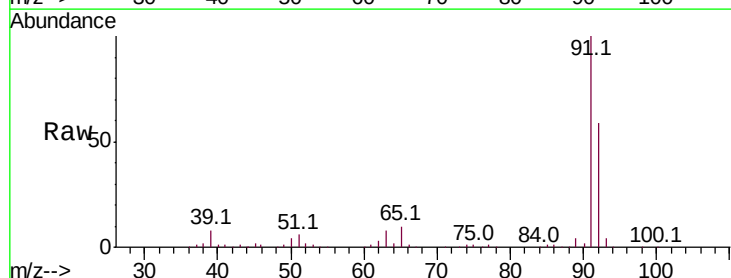
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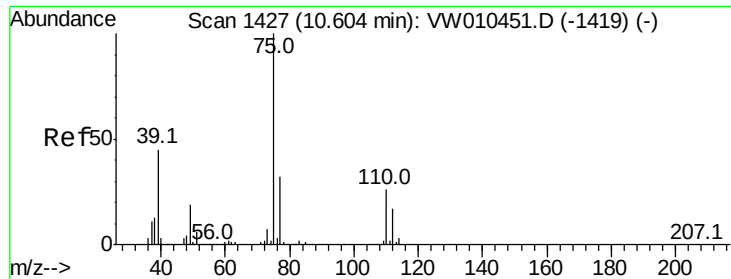
MMDadoda
5/30/2019 10:13:09 AM



#52
Toluene
Concen: 58.285 ug/l
RT: 10.39 min Scan# 1392
Delta R.T. -0.00 min
Lab File: VW010581.D
Acq: 29 May 2019 10:26

Tgt Ion	92	91	Ratio	100	168.7	Resp	236879	Lower	135.4	Upper	203.0
Ion	92	91	Ratio	100	168.7	Resp	236879	Lower	135.4	Upper	203.0





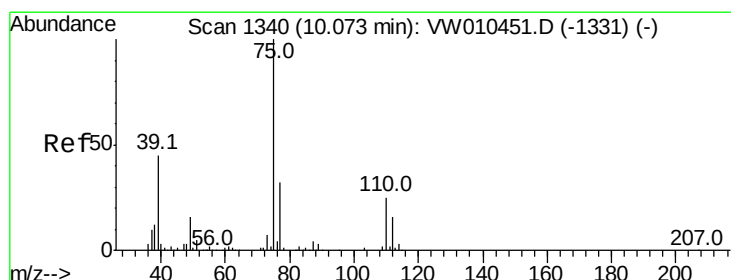
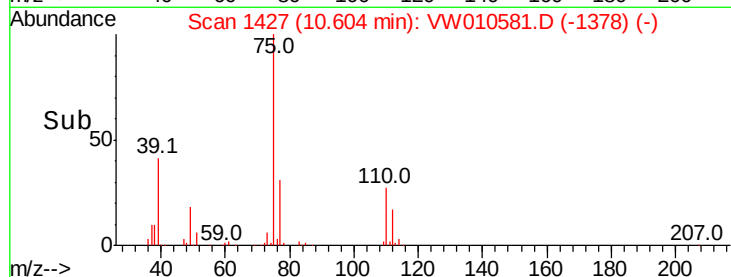
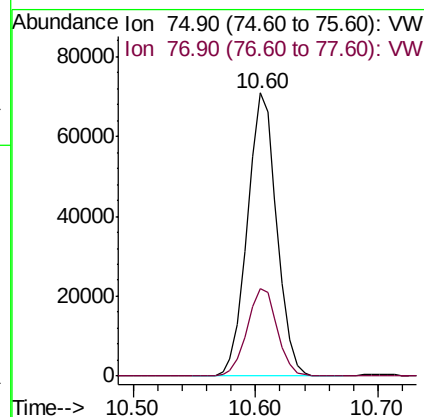
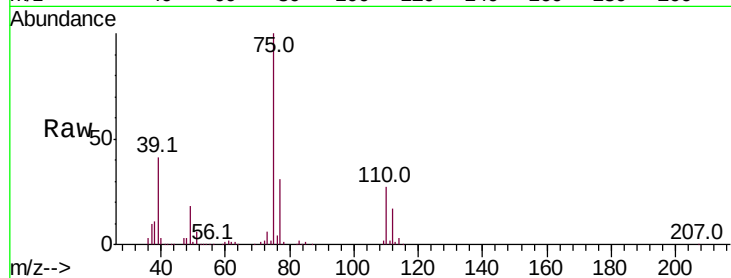
#53
 t-1,3-Dichloropropene
 Concen: 55.131 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. -0.00 min
 Lab File: VW010581.D
 Acq: 29 May 2019 10:26

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion: 75 Resp: 117938
 Ion Ratio Lower Upper
 75 100
 77 30.7 25.4 38.0

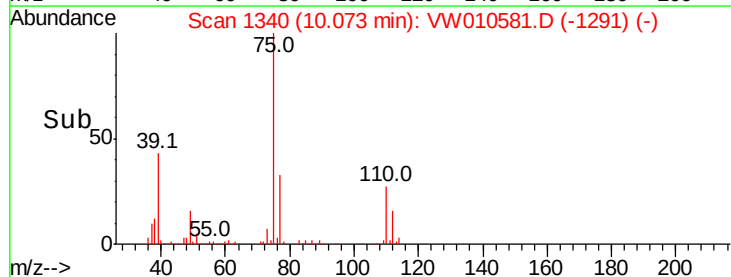
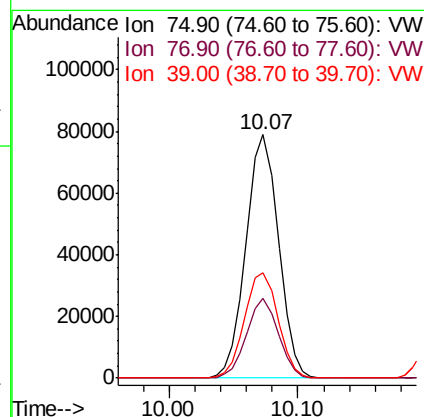
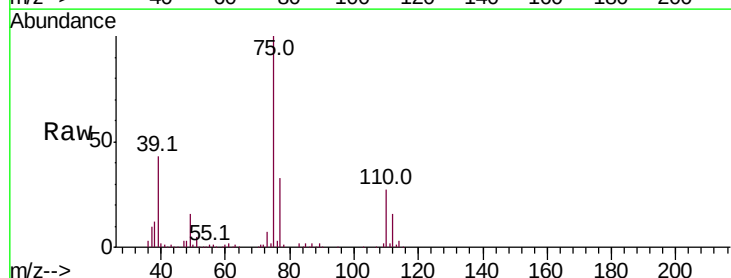
Manual Integrations
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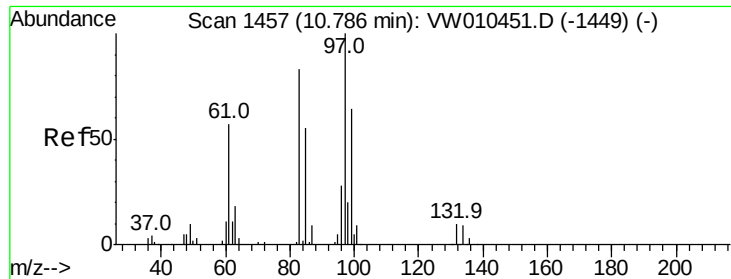
MMDadoda
 5/30/2019 10:13:09 AM



#54
 cis-1,3-Dichloropropene
 Concen: 56.739 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW010581.D
 Acq: 29 May 2019 10:26

Tgt Ion: 75 Resp: 138620
 Ion Ratio Lower Upper
 75 100
 77 32.7 25.7 38.5
 39 43.4 36.2 54.4





#55

1,1,2-Trichloroethane

Concen: 55.439 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW010581.D

Acq: 29 May 2019 10:26

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 67009

Ion Ratio Lower Upper

97 100

83 82.2 66.1 99.1

85 52.7 44.2 66.4

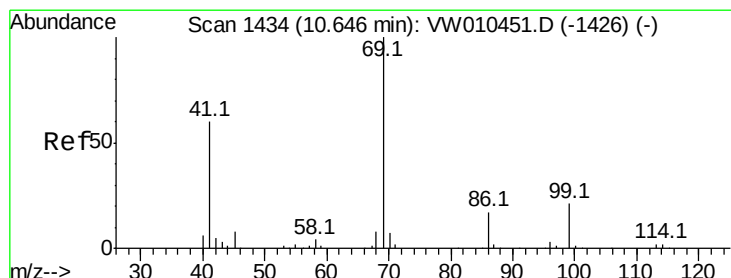
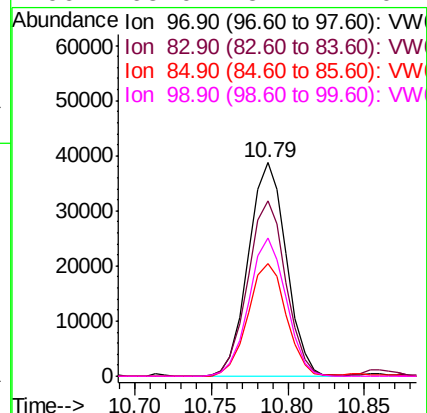
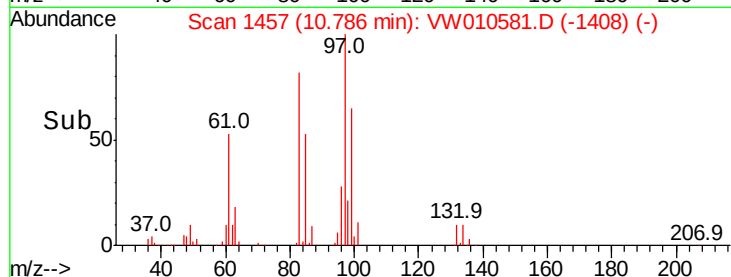
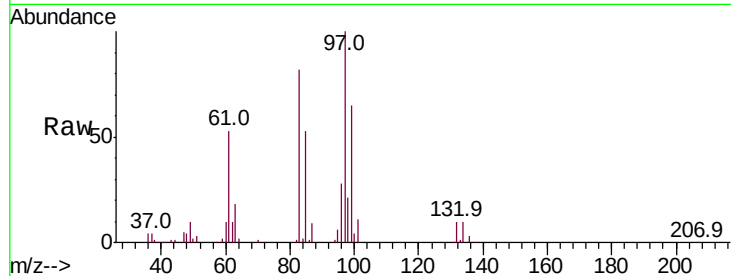
99 65.0 51.1 76.7

Manual Integrations

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#56

Ethyl methacrylate

Concen: 49.798 ug/l

RT: 10.65 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW010581.D

Acq: 29 May 2019 10:26

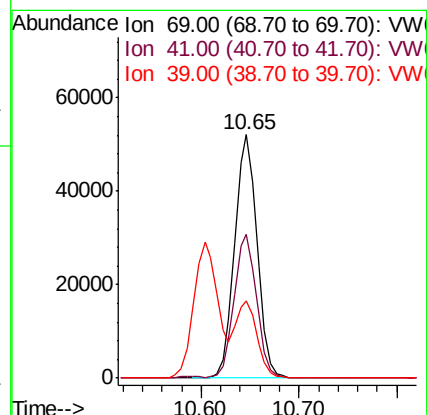
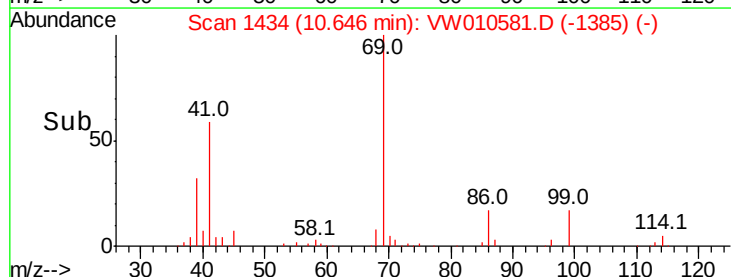
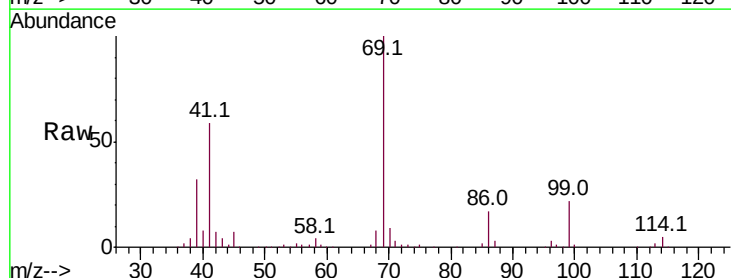
Tgt Ion: 69 Resp: 83014

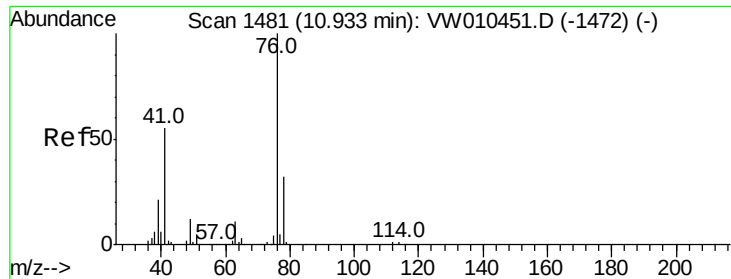
Ion Ratio Lower Upper

69 100

41 58.9 47.7 71.5

39 30.5 25.3 37.9





#57

1,3-Dichloropropane

Concen: 54.784 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

Lab File: VW010581.D

Acq: 29 May 2019 10:26

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 110918

Ion Ratio Lower Upper

76 100

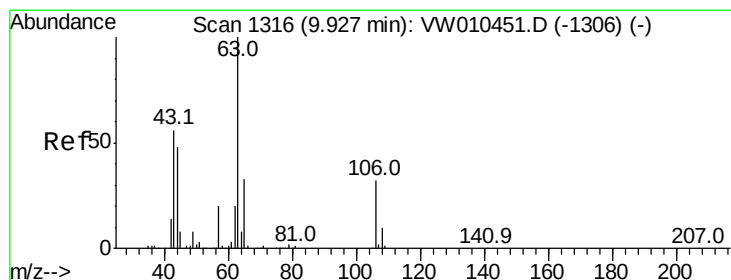
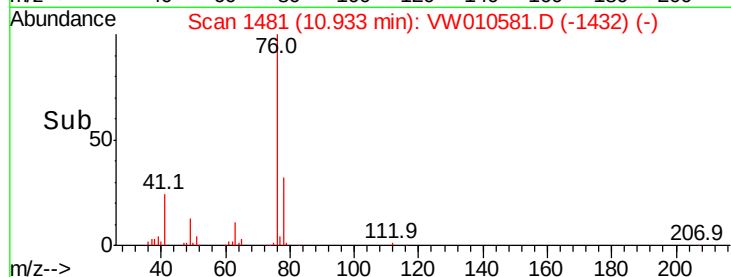
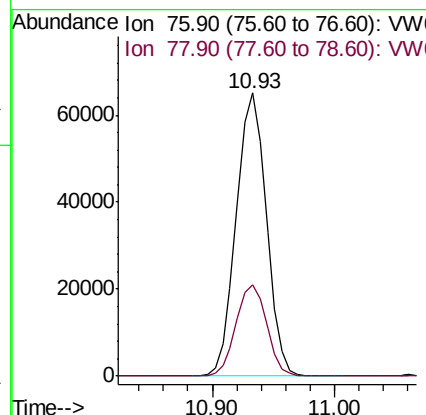
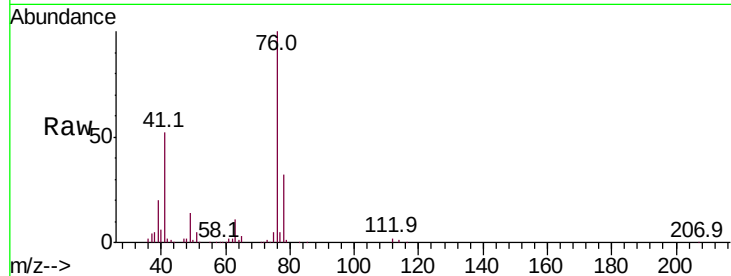
78 32.8 26.2 39.2

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 210.450 ug/l

RT: 9.93 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VW010581.D

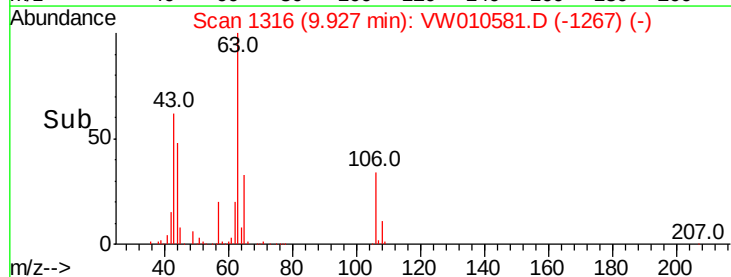
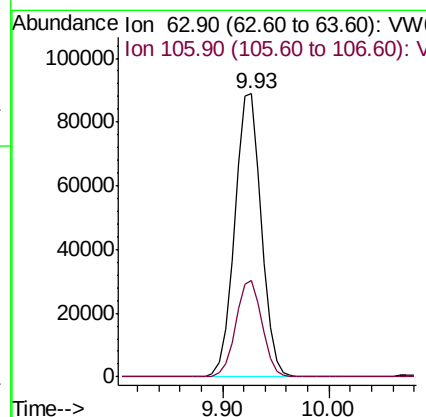
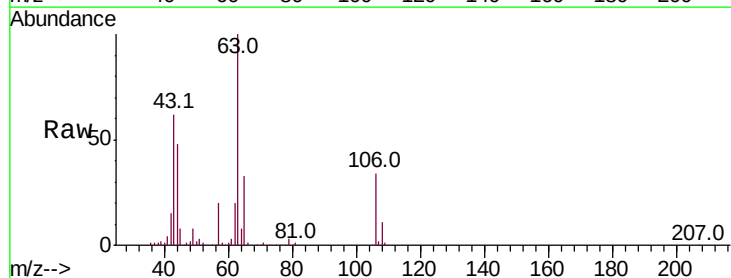
Acq: 29 May 2019 10:26

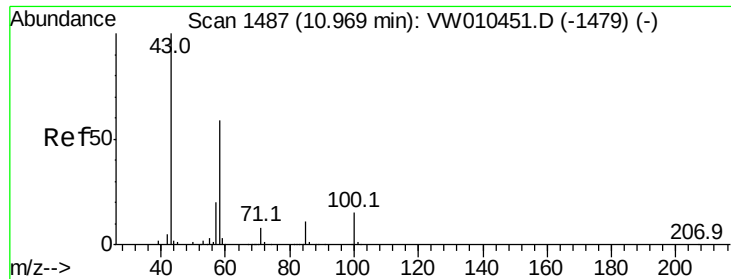
Tgt Ion: 63 Resp: 155388

Ion Ratio Lower Upper

63 100

106 33.8 25.8 38.6





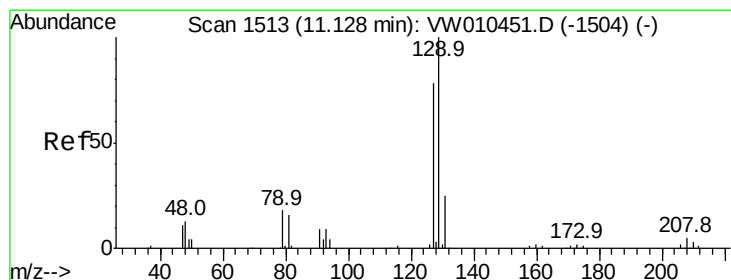
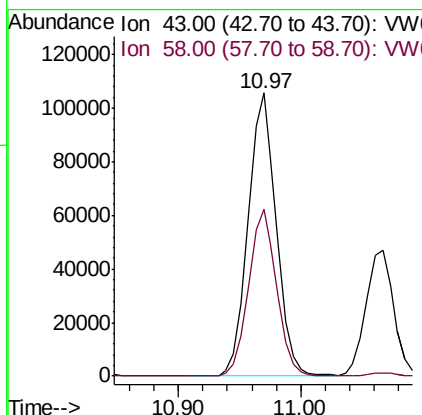
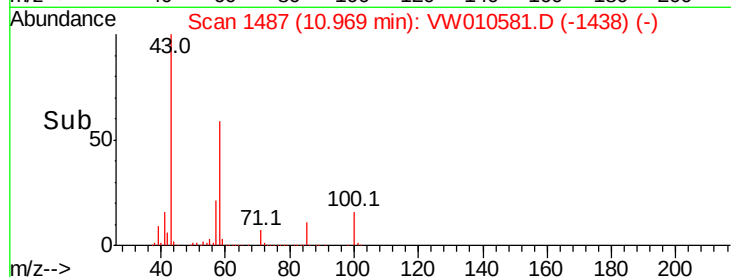
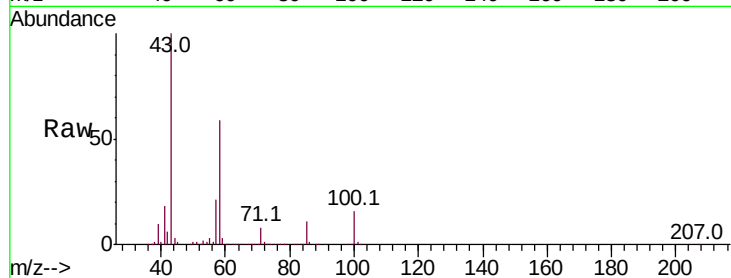
#59
2-Hexanone
Concen: 252.897 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW010581.D
Acq: 29 May 2019 10:26

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 169091
Ion Ratio Lower Upper
43 100
58 58.6 28.9 86.8

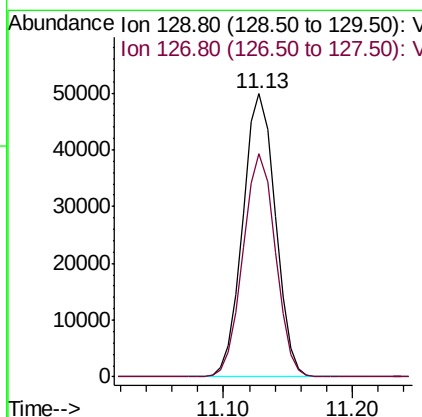
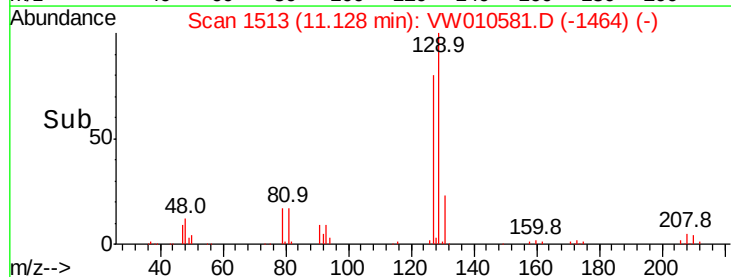
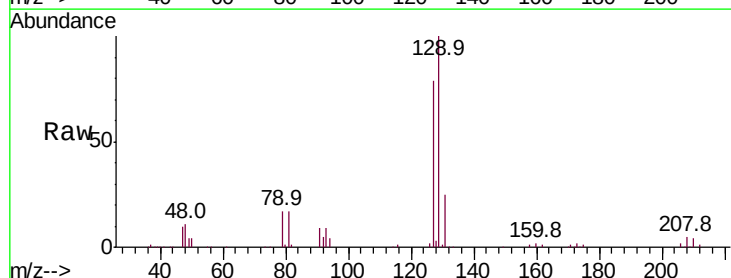
Manual Integrations
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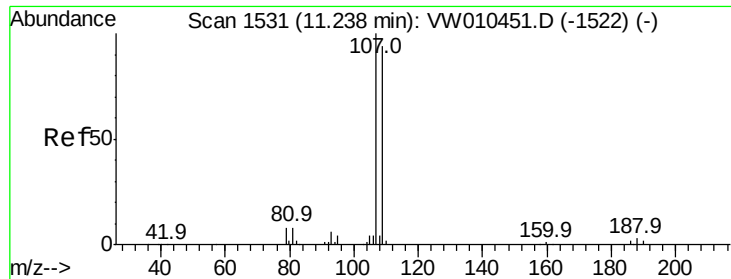
MMDadoda
5/30/2019 10:13:09 AM



#60
Dibromochloromethane
Concen: 57.090 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW010581.D
Acq: 29 May 2019 10:26

Tgt Ion: 129 Resp: 87332
Ion Ratio Lower Upper
129 100
127 78.4 38.9 116.7





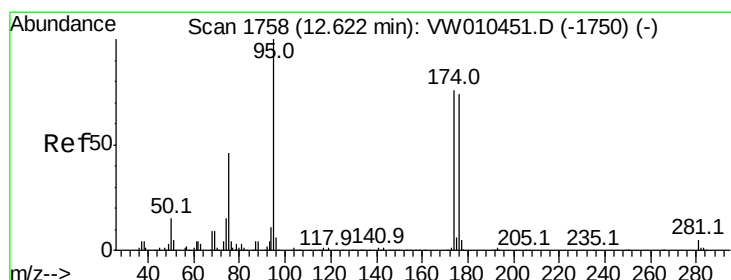
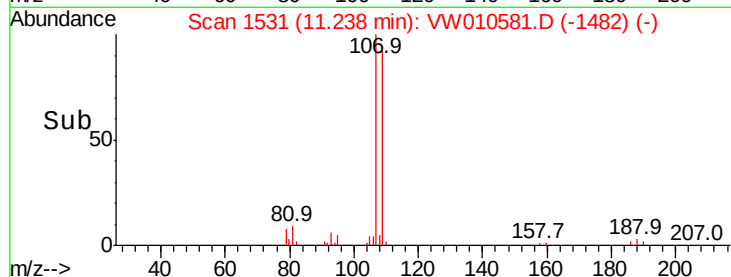
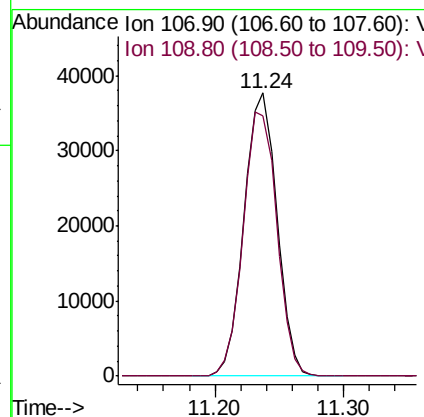
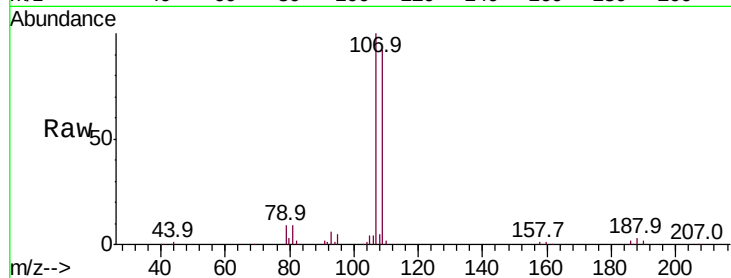
#61
 1,2-Dibromoethane
 Concen: 54.393 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW010581.D
 Acq: 29 May 2019 10:26

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.8	75.0	112.4

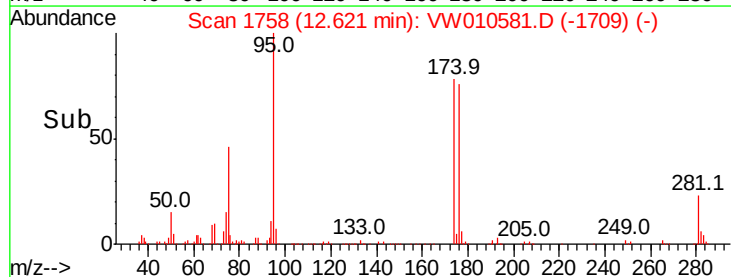
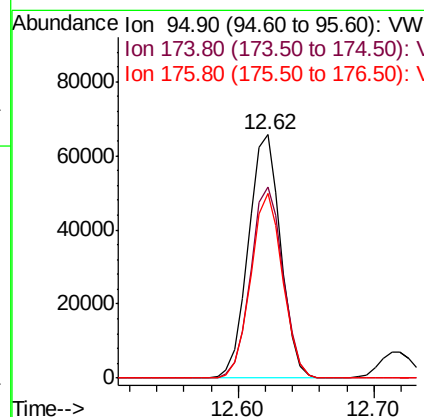
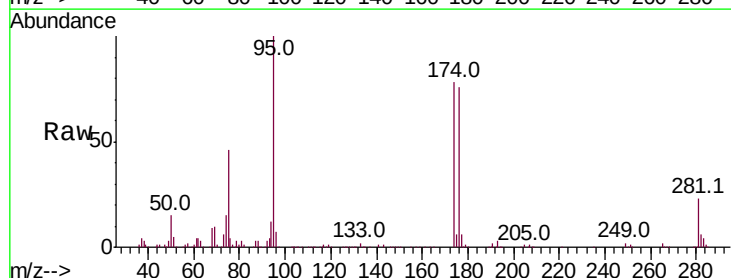
Manual Integrations
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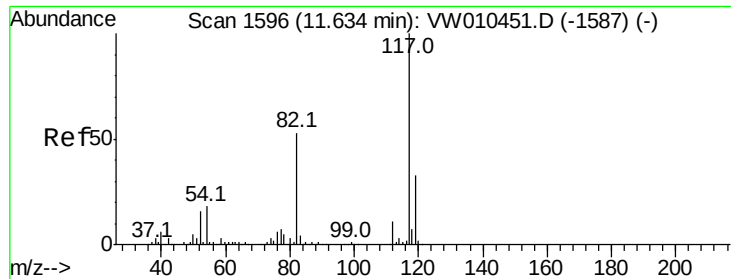
MMDadoda
 5/30/2019 10:13:09 AM



#62
 4-Bromofluorobenzene
 Concen: 50.469 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW010581.D
 Acq: 29 May 2019 10:26

Tgt Ion	Ratio	Lower	Upper
95	100		
174	78.8	0.0	148.6
176	75.1	0.0	144.2





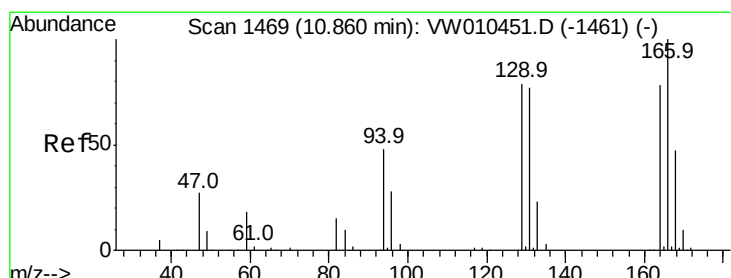
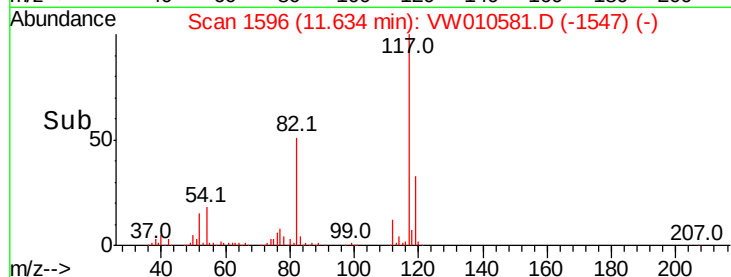
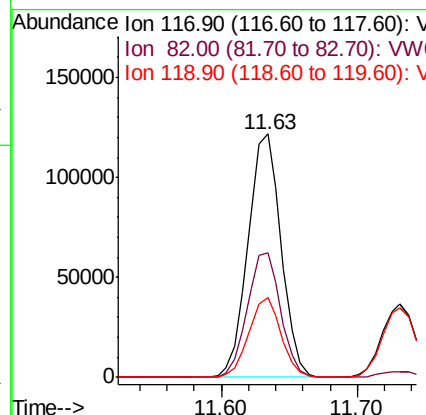
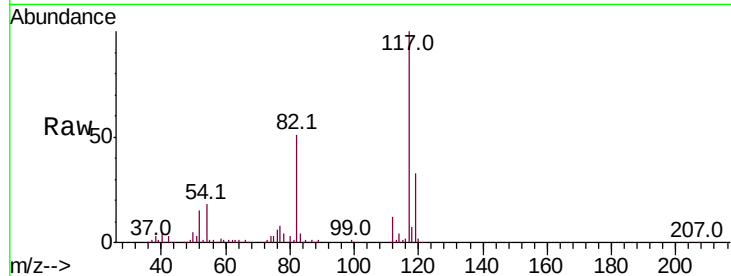
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW010581.D
Acq: 29 May 2019 10:26

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	207522		
82	51.3		42.8	64.2
119	32.7		26.3	39.5

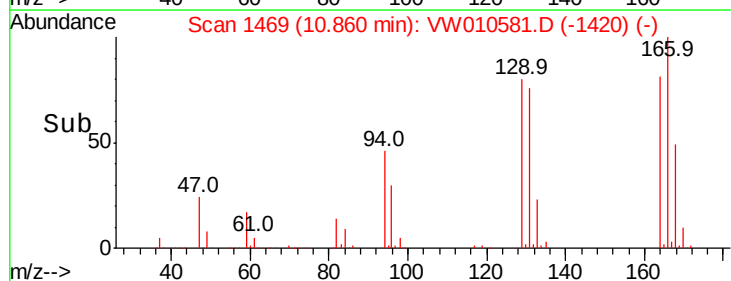
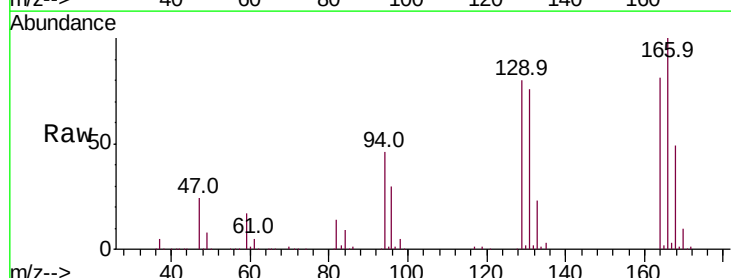
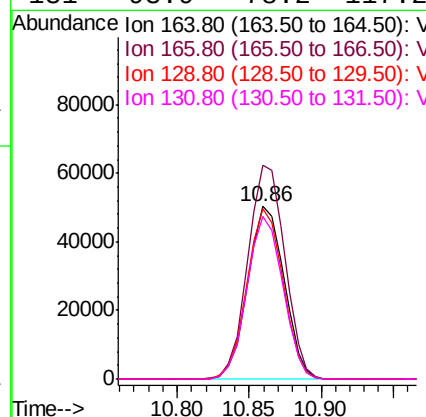
Manual Integrations
APPROVED

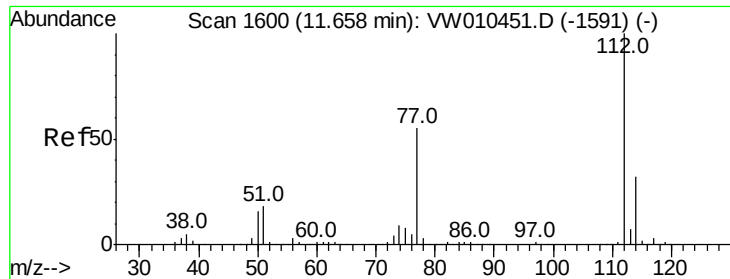
MMDadoda
5/30/2019 10:13:09 AM



#64
Tetrachloroethene
Concen: 60.678 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW010581.D
Acq: 29 May 2019 10:26

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	87778		
166	123.6		101.9	152.9
129	98.8		80.6	121.0
131	93.9		78.2	117.2





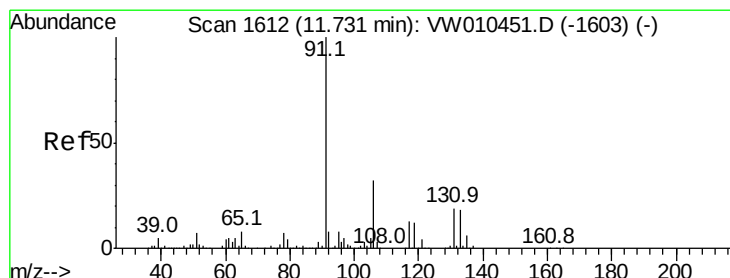
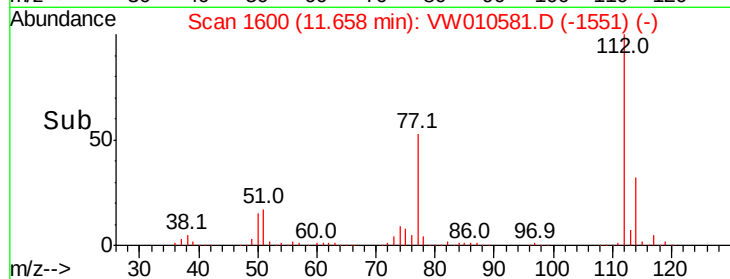
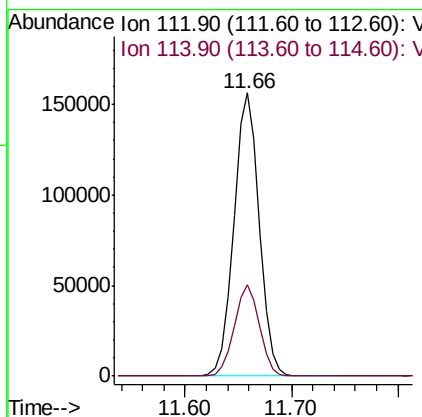
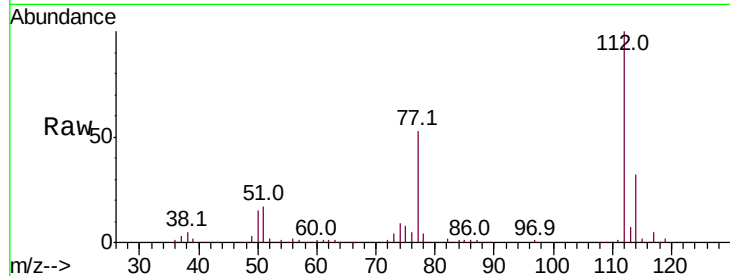
#65
Chlorobenzene
Concen: 58.684 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW010581.D
Acq: 29 May 2019 10:26

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 259545
Ion Ratio Lower Upper
112 100
114 32.5 25.3 37.9

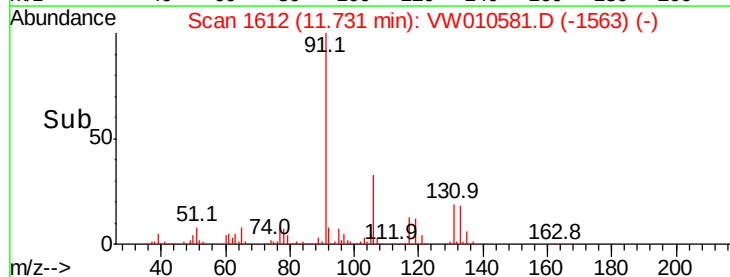
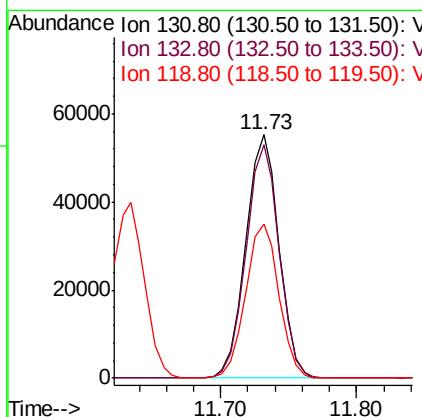
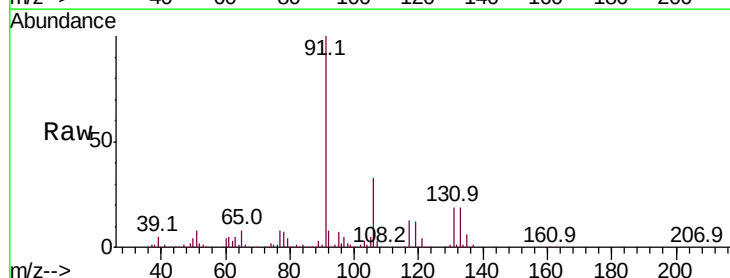
Manual Integrations
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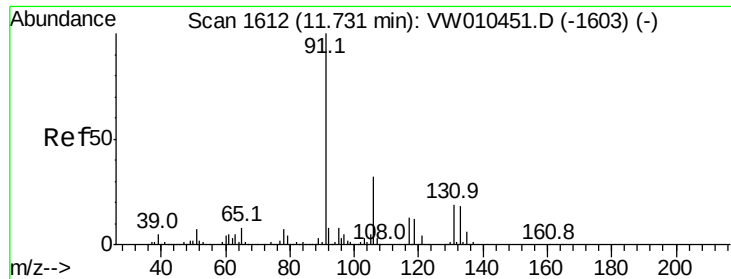
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#66
1,1,1,2-Tetrachloroethane
Concen: 59.394 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010581.D
Acq: 29 May 2019 10:26

Tgt Ion:131 Resp: 94101
Ion Ratio Lower Upper
131 100
133 95.7 47.3 141.9
119 63.8 32.1 96.5





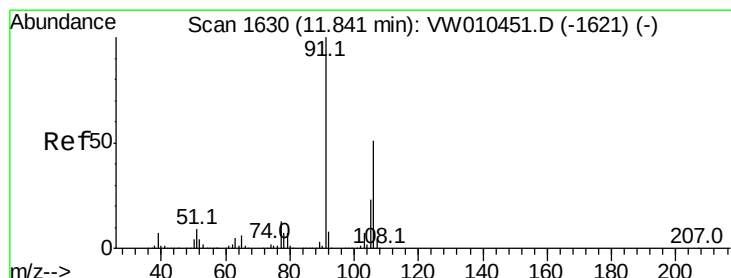
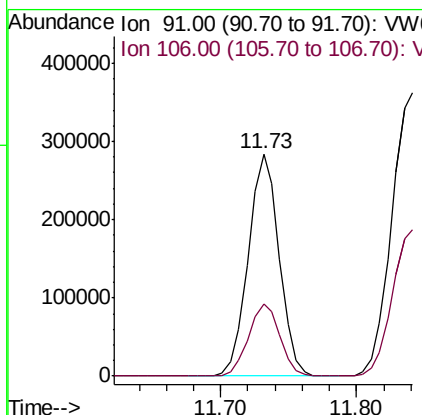
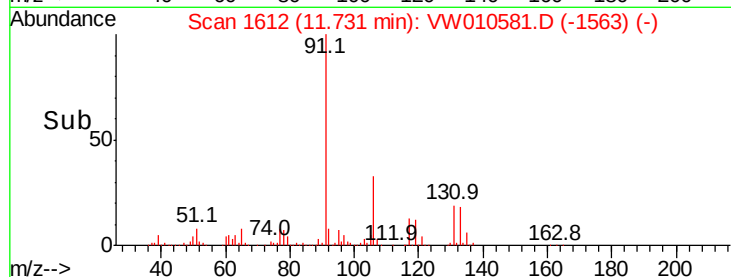
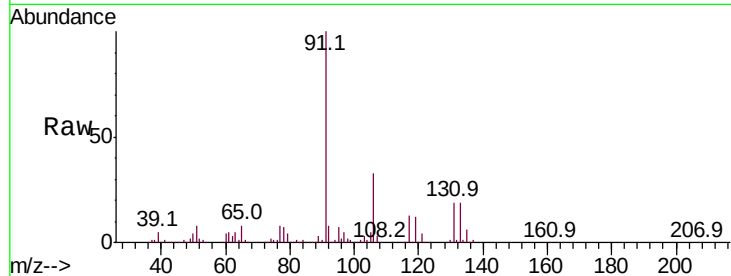
#67
Ethyl Benzene
Concen: 57.786 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010581.D
Acq: 29 May 2019 10:26

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 451230
Ion Ratio Lower Upper
91 100
106 32.8 25.9 38.9

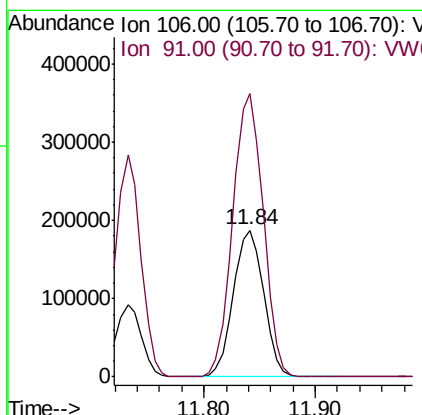
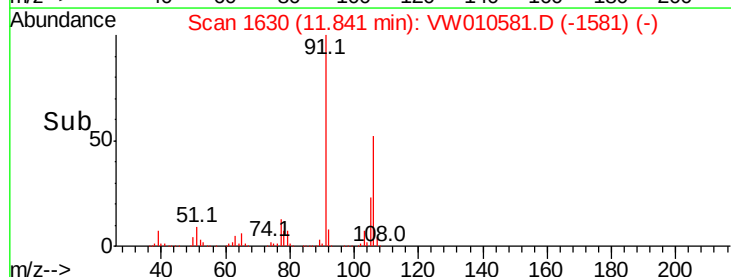
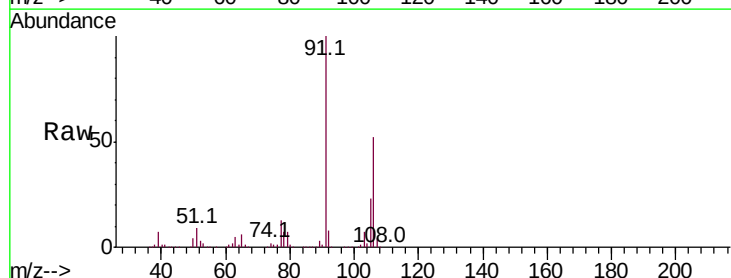
Manual Integrations
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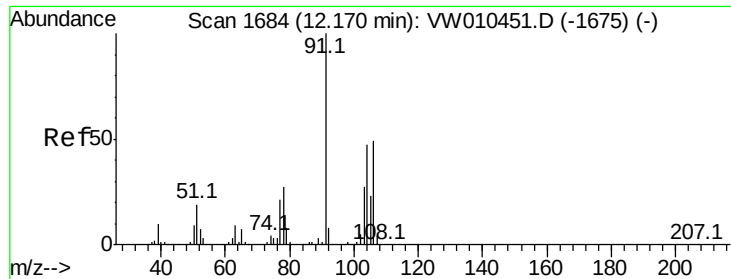
MMDadoda
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#68
m/p-Xylenes
Concen: 115.441 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW010581.D
Acq: 29 May 2019 10:26

Tgt Ion: 106 Resp: 353570
Ion Ratio Lower Upper
106 100
91 194.3 156.0 234.0





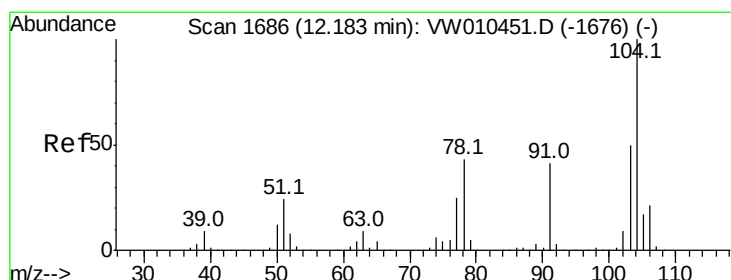
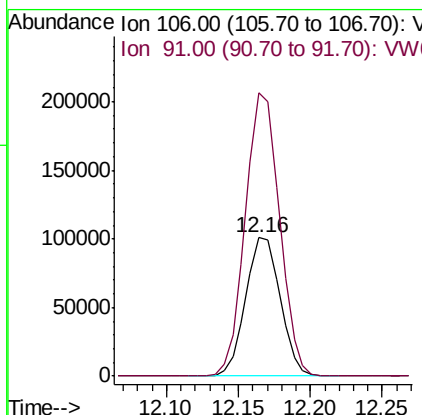
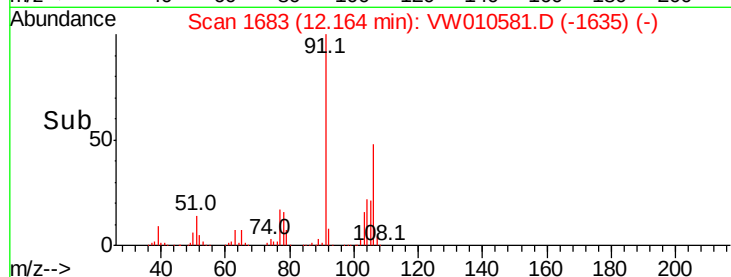
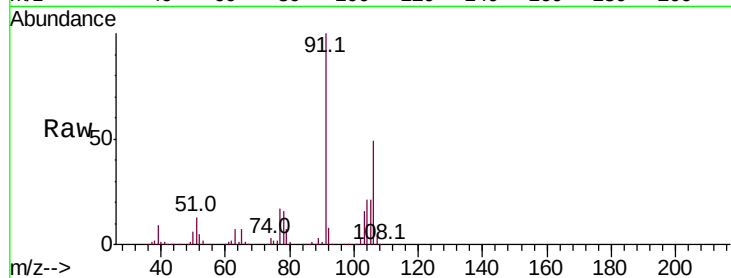
#69
o-Xylene
Concen: 57.741 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW010581.D
Acq: 29 May 2019 10:26

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 167554
Ion Ratio Lower Upper
106 100
91 203.0 103.2 309.4

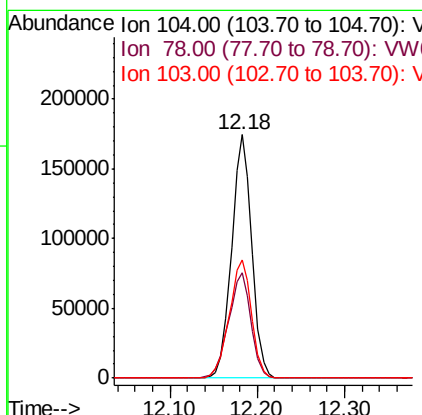
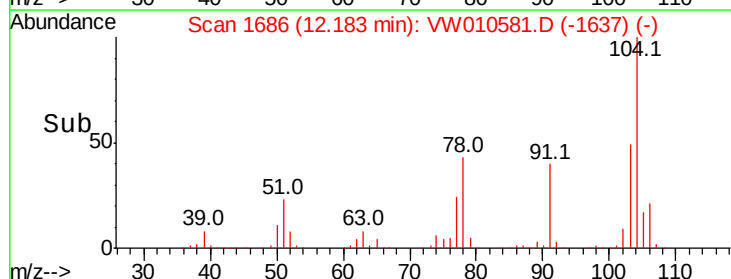
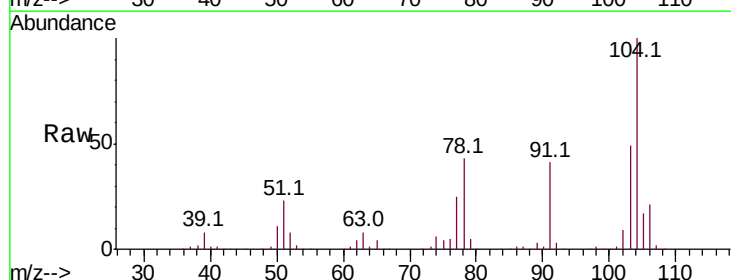
Manual Integrations
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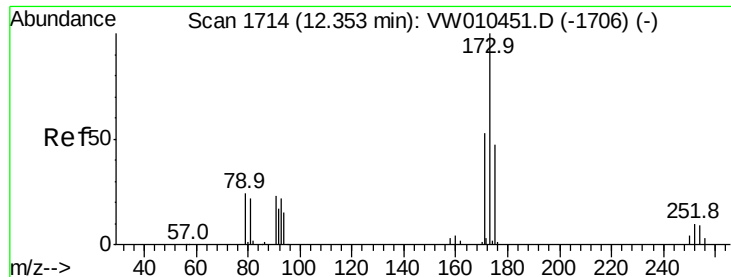
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#70
Styrene
Concen: 56.899 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW010581.D
Acq: 29 May 2019 10:26

Tgt Ion:104 Resp: 280147
Ion Ratio Lower Upper
104 100
78 48.0 39.0 58.4
103 53.4 43.0 64.6





#71

Bromoform

Concen: 54.776 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.01 min

Lab File: VW010581.D

Acq: 29 May 2019 10:26

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 47790

Ion Ratio Lower Upper

173 100

175 49.0 24.4 73.4

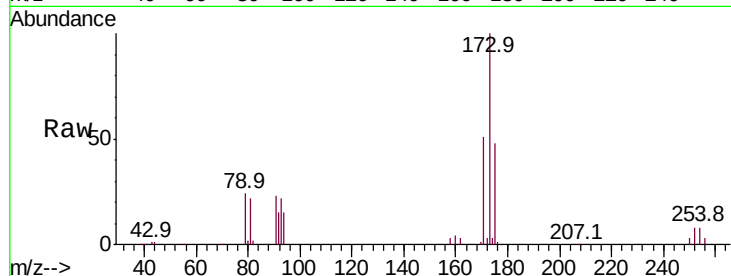
254 0.1 0.0 0.0#

Manual Integrations

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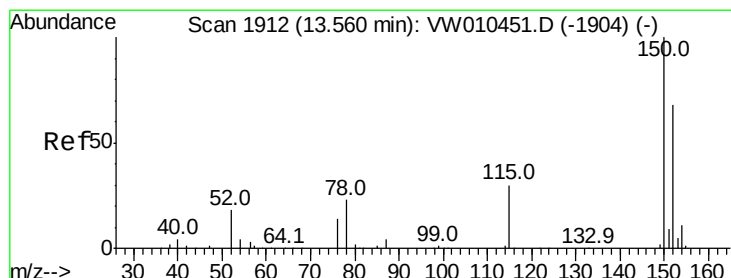
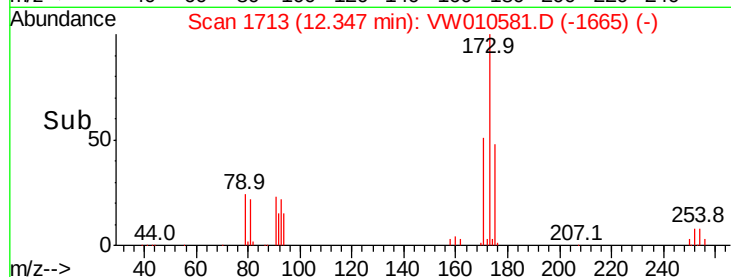
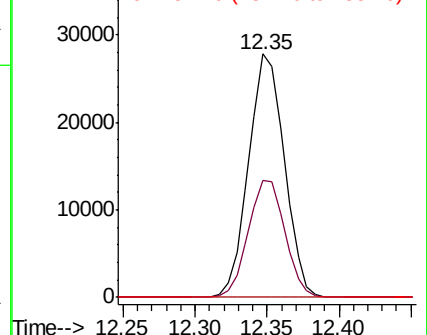
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW010581.D

Acq: 29 May 2019 10:26

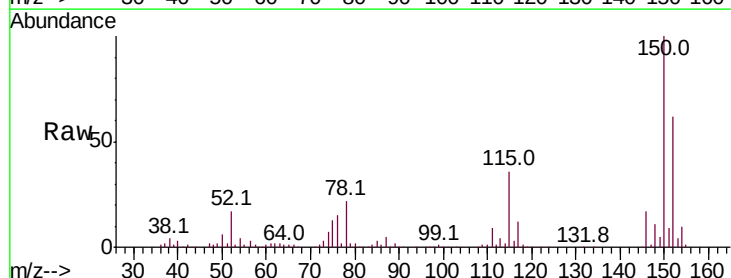
Tgt Ion:152 Resp: 99436

Ion Ratio Lower Upper

152 100

115 58.2 30.3 91.0

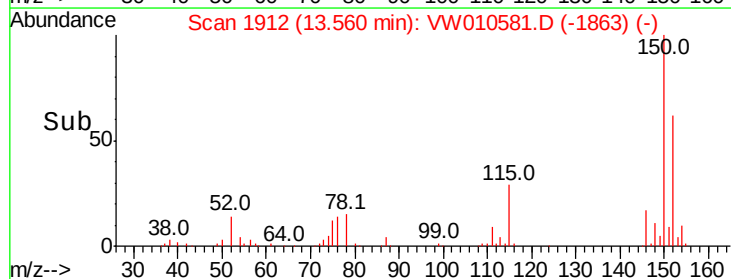
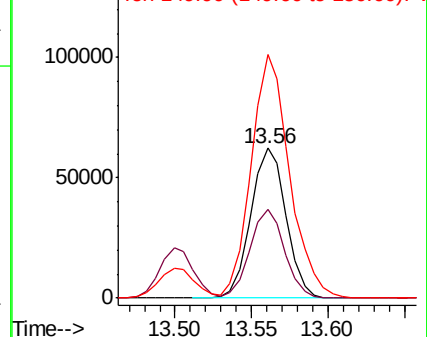
150 177.1 0.0 349.8

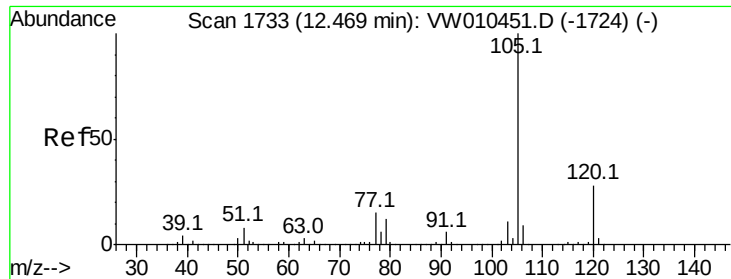


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





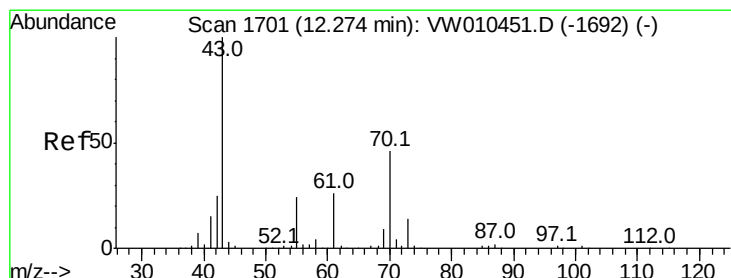
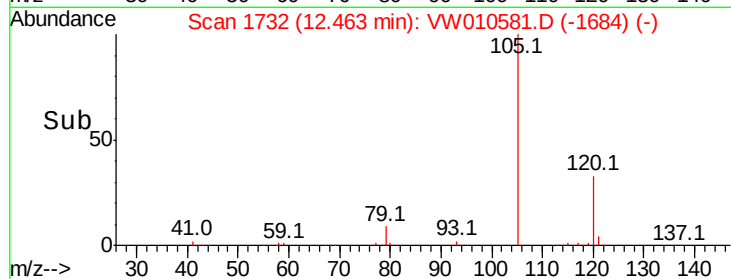
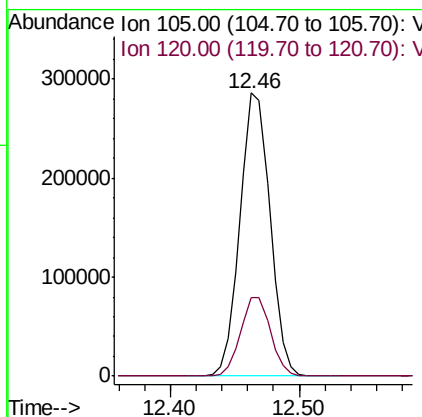
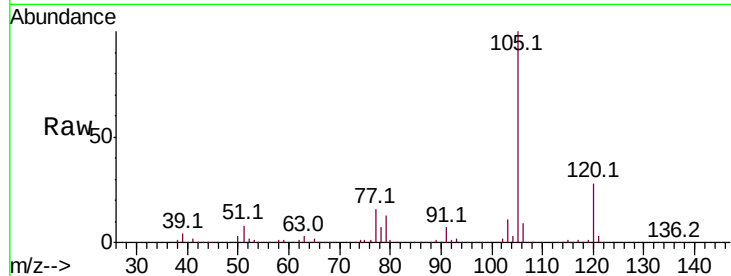
#73
Isopropylbenzene
Concen: 58.561 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. -0.01 min
Lab File: VW010581.D
Acq: 29 May 2019 10:26

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
120	27.7	13.9	41.7

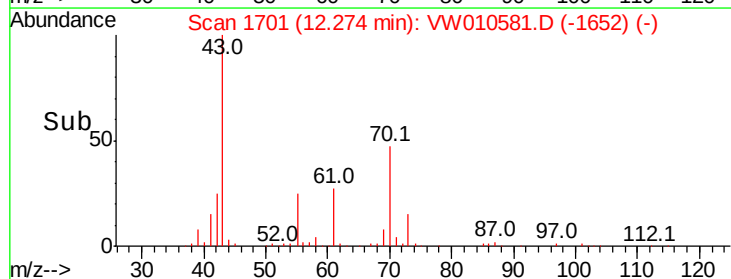
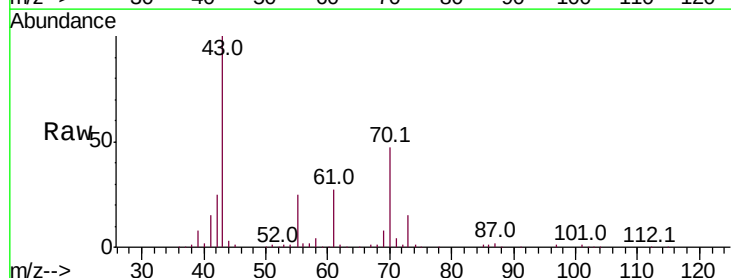
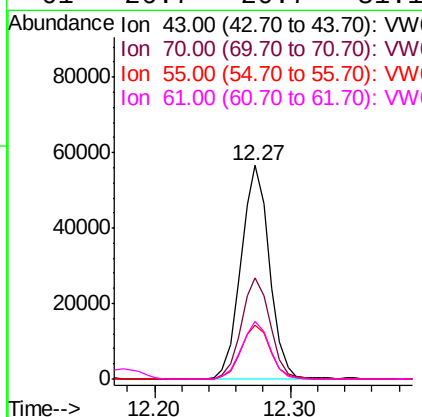
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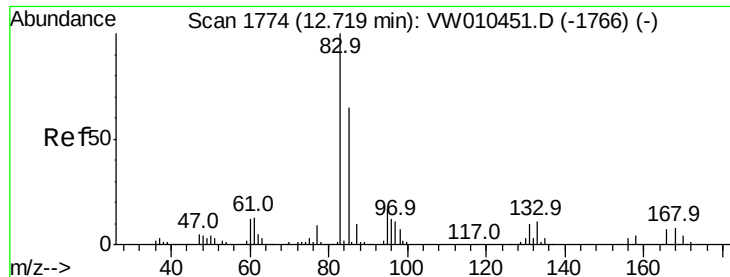
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#74
N-ethyl acetate
Concen: 45.608 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. -0.00 min
Lab File: VW010581.D
Acq: 29 May 2019 10:26

Tgt Ion	Ratio	Lower	Upper
43	100		
70	47.9	37.1	55.7
55	26.0	19.6	29.4
61	26.7	20.7	31.1





#75

1,1,2,2-Tetrachloroethane

Concen: 49.483 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW010581.D

Acq: 29 May 2019 10:26

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 71018

Ion Ratio Lower Upper

83 100

131 12.2 5.6 16.8

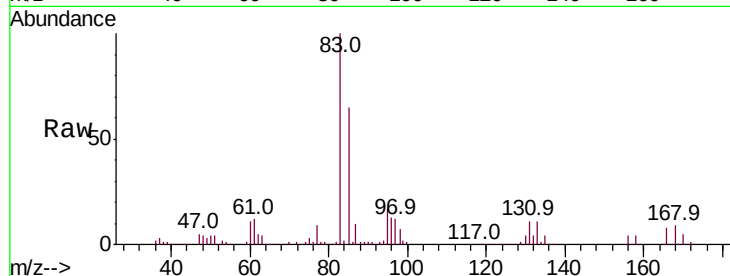
85 65.2 32.4 97.0

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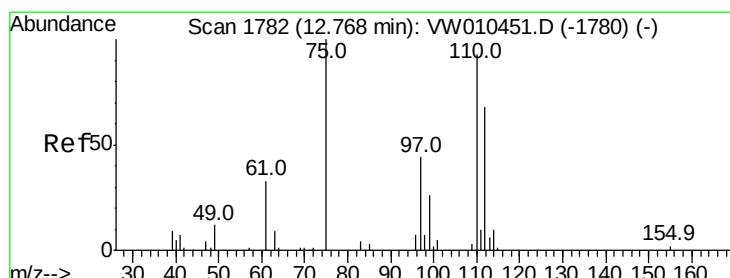
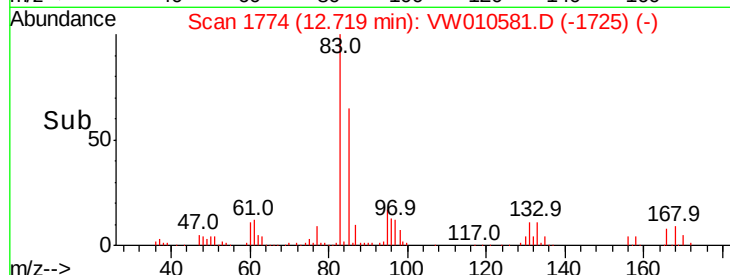
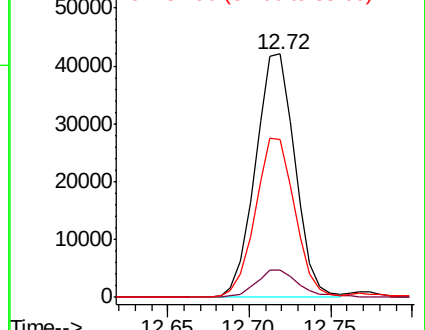
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Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 49.472 ug/l m

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW010581.D

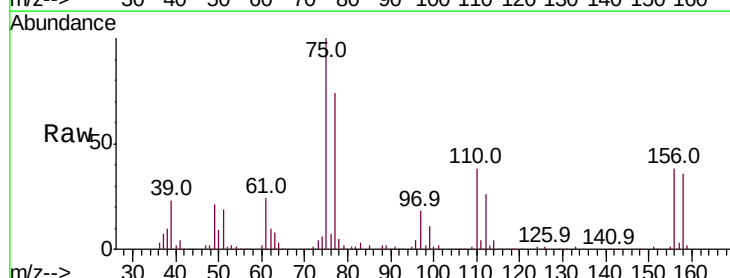
Acq: 29 May 2019 10:26

Tgt Ion: 75 Resp: 49934

Ion Ratio Lower Upper

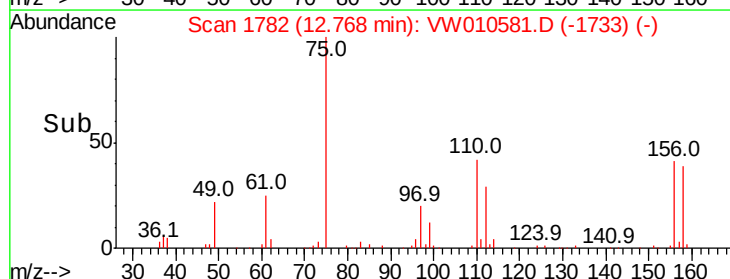
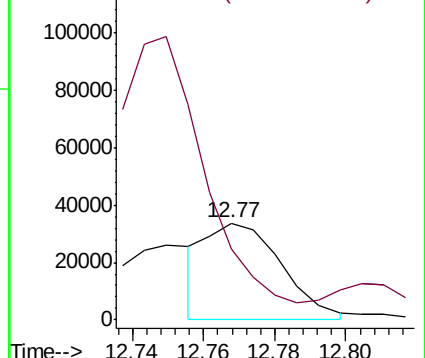
75 100

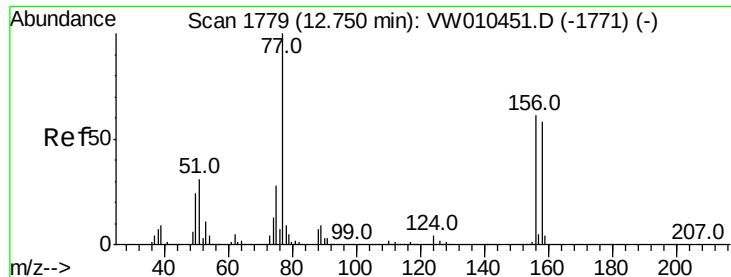
77 365.4 170.0 510.1



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 59.710 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW010581.D

Acq: 29 May 2019 10:26

Instrument :

MSVOA_W

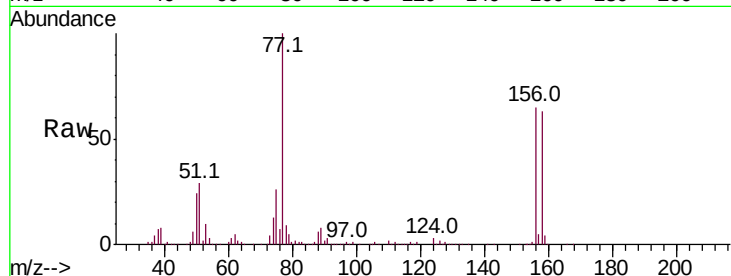
ClientSampled :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	173.1	92.4	277.2
158	96.4	48.3	144.8

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5/30/2019 10:13:09 AM

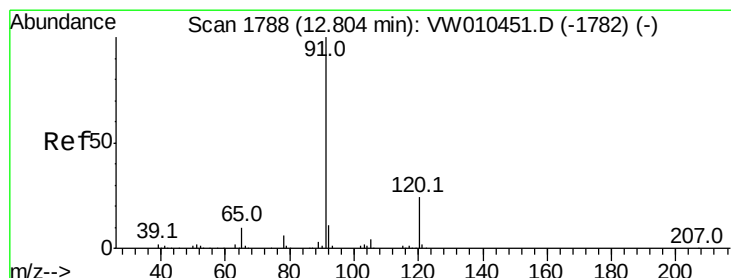
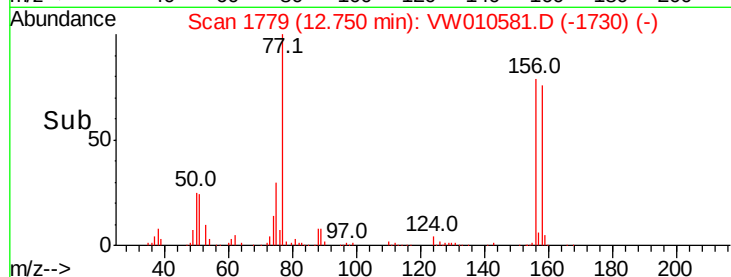
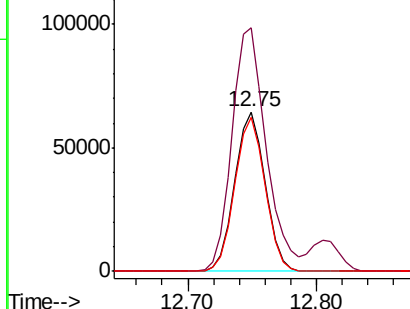


Abundance

Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.30): VW

Ion 157.80 (157.50 to 158.10): V



#78

n-propylbenzene

Concen: 57.252 ug/l

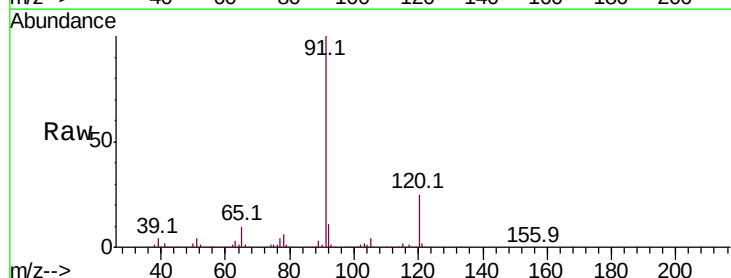
RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW010581.D

Acq: 29 May 2019 10:26

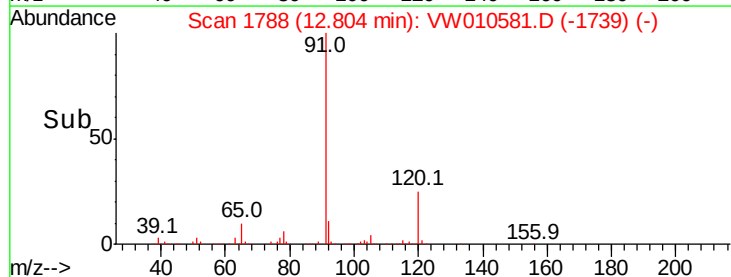
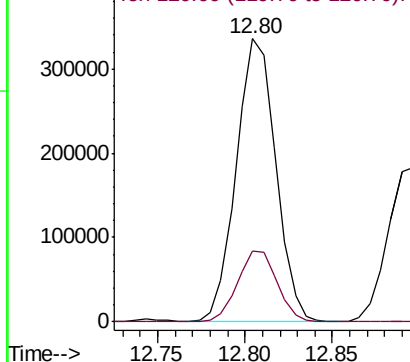
Tgt Ion	Ratio	Lower	Upper
91	100		
120	25.1	12.3	36.8

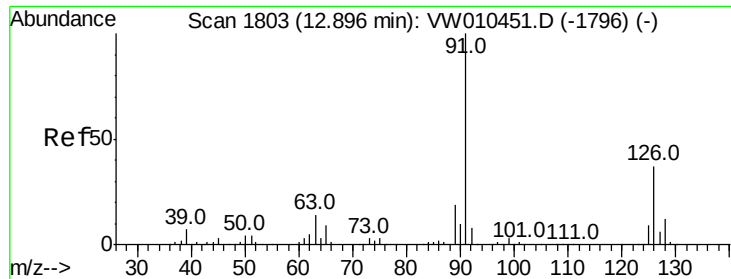


Abundance

Ion 91.00 (90.70 to 91.30): VW

Ion 120.00 (119.70 to 120.30): V





#79

2-Chlorotoluene

Concen: 56.784 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW010581.D

Acq: 29 May 2019 10:26

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 302807

Ion Ratio Lower Upper

91 100

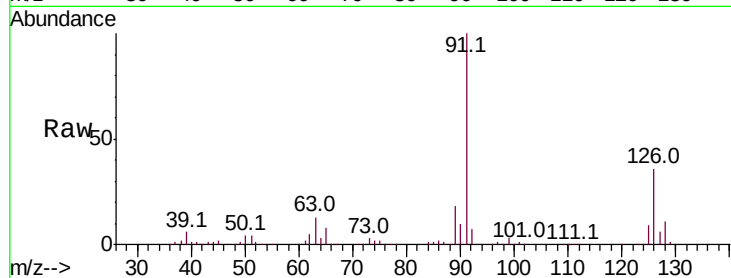
126 35.9 17.4 52.3

Manual Integrations

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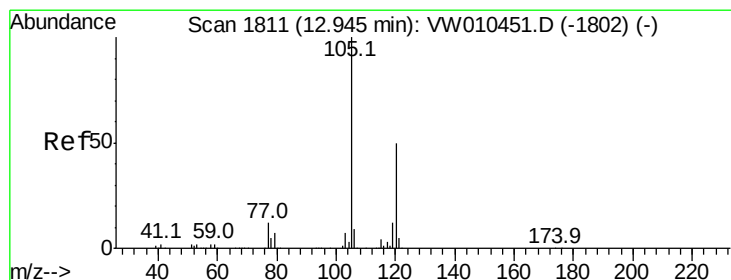
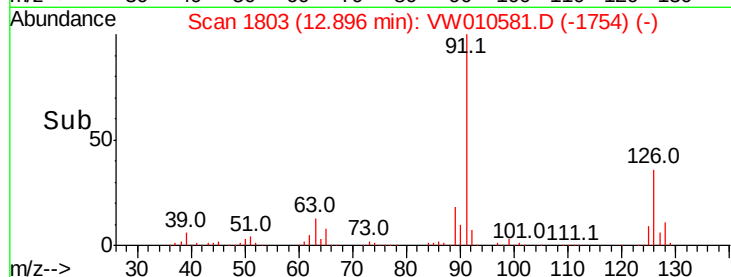
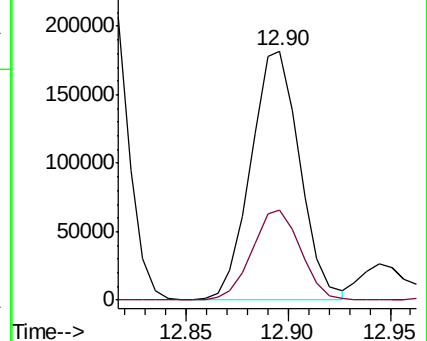
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 56.892 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW010581.D

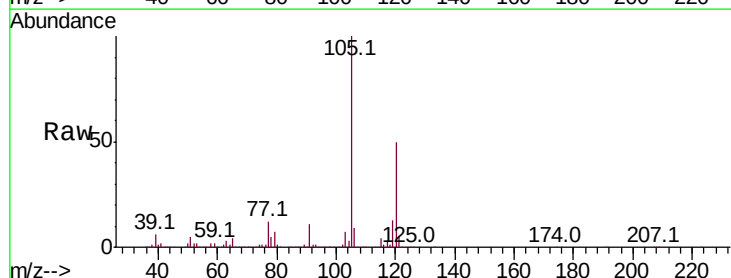
Acq: 29 May 2019 10:26

Tgt Ion:105 Resp: 380200

Ion Ratio Lower Upper

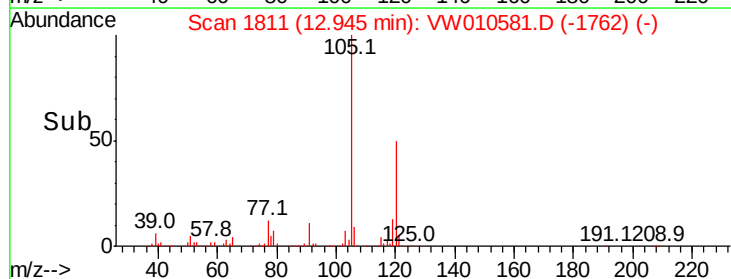
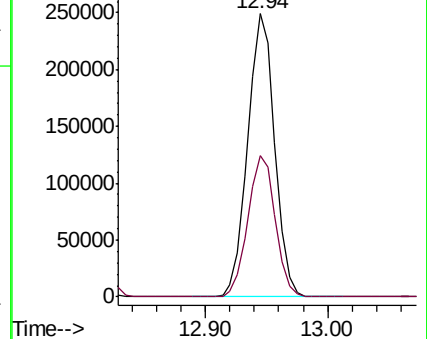
105 100

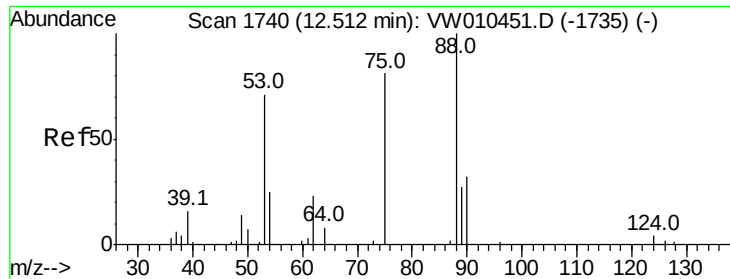
120 50.8 25.2 75.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





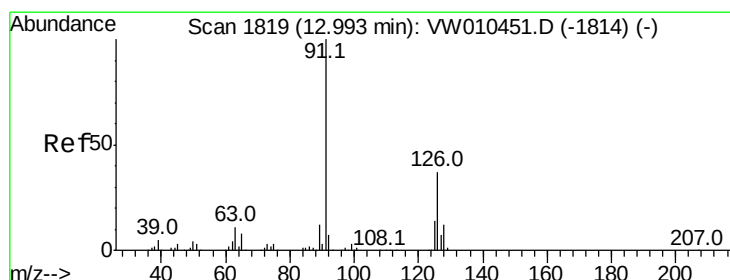
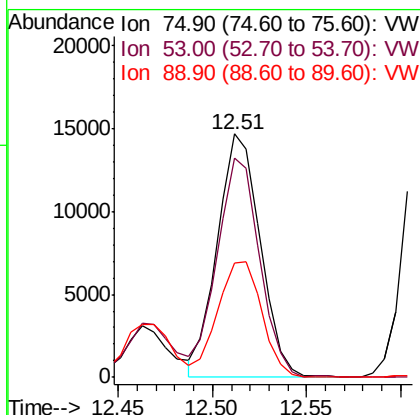
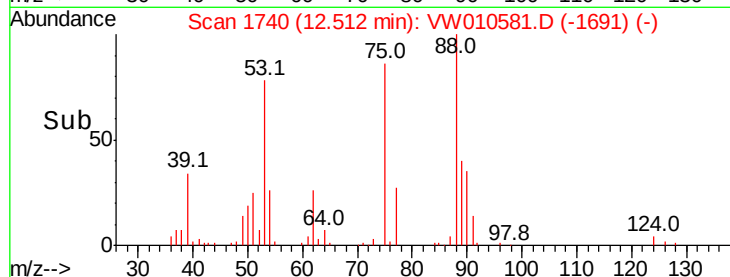
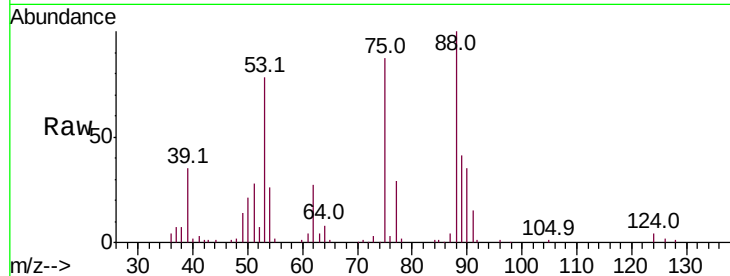
#81
trans-1,4-Dichloro-2-butene
Concen: 47.963 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW010581.D
Acq: 29 May 2019 10:26

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	89.3	69.8	104.8
89	49.1	39.5	59.3

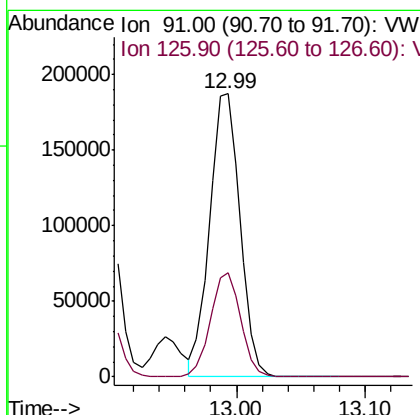
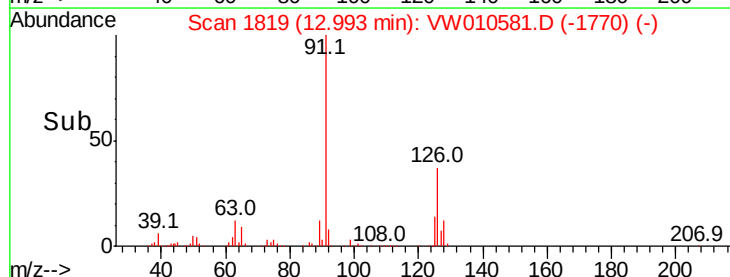
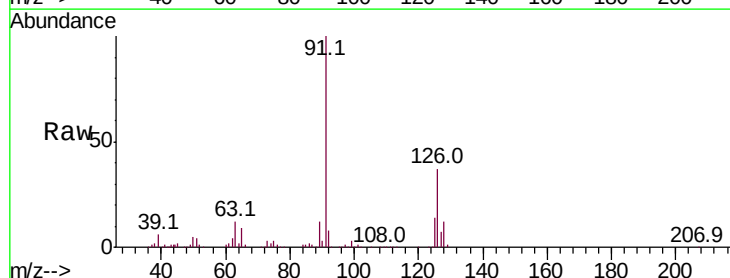
Manual Integrations
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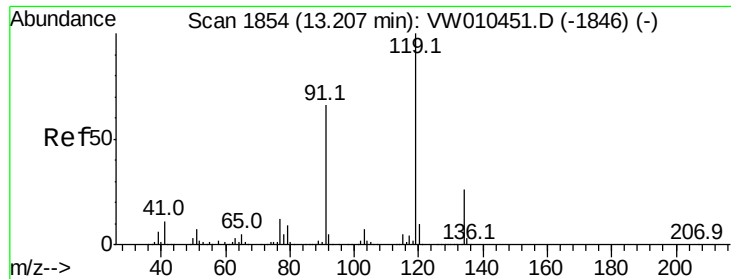
MMDadoda
5/30/2019 10:13:09 AM



#82
4-Chlorotoluene
Concen: 56.038 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. -0.00 min
Lab File: VW010581.D
Acq: 29 May 2019 10:26

Tgt Ion	Ratio	Lower	Upper
91	100		
126	36.4	17.5	52.6





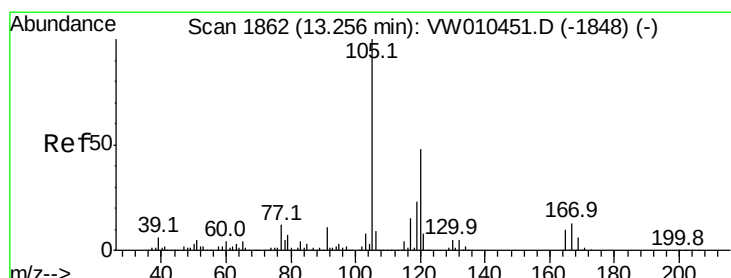
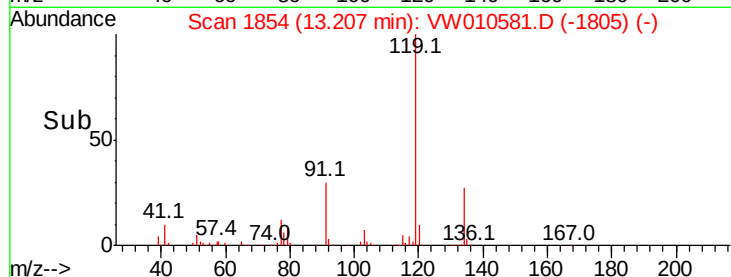
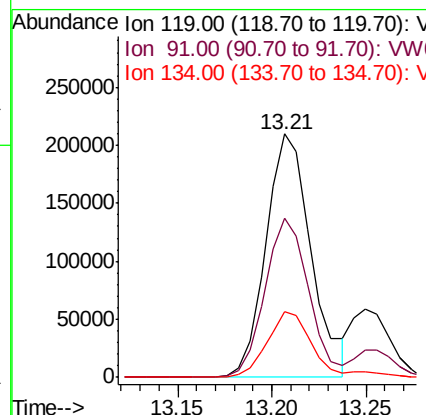
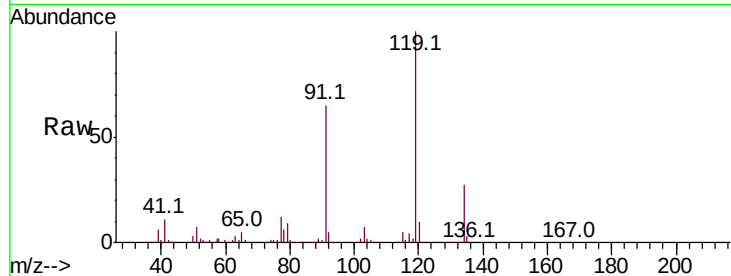
#83
 tert-Butylbenzene
 Concen: 59.689 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW010581.D
 Acq: 29 May 2019 10:26

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	63.1	33.1	99.5
134	27.4	13.9	41.6

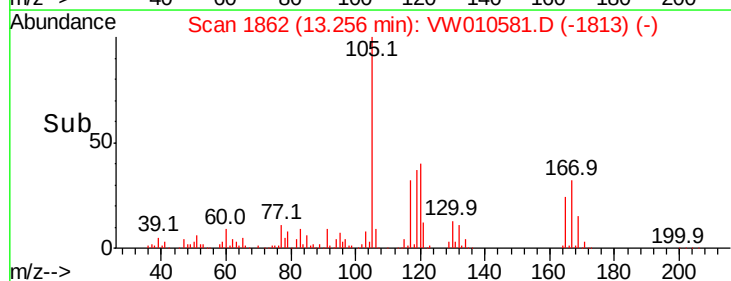
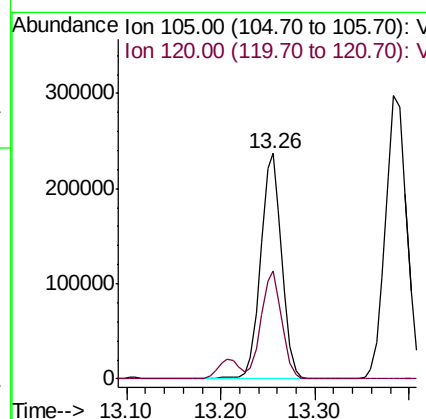
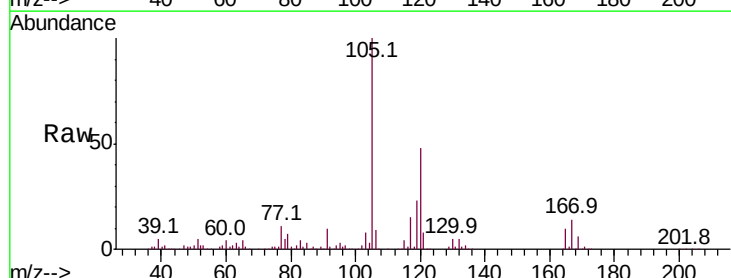
Manual Integrations
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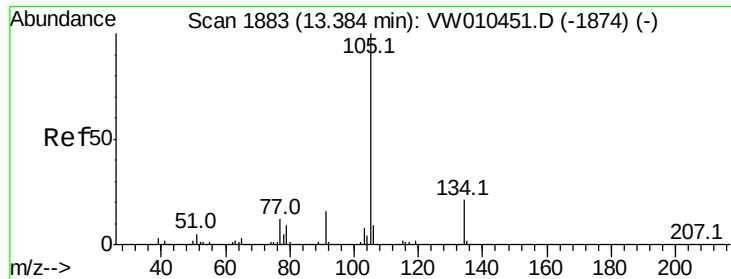
MMDadoda
 5/30/2019 10:13:09 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 55.990 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. -0.00 min
 Lab File: VW010581.D
 Acq: 29 May 2019 10:26

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.1	23.4	70.2





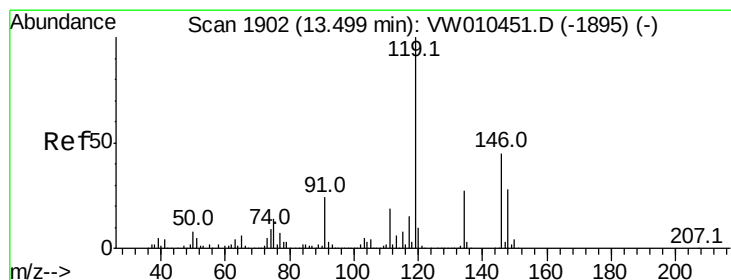
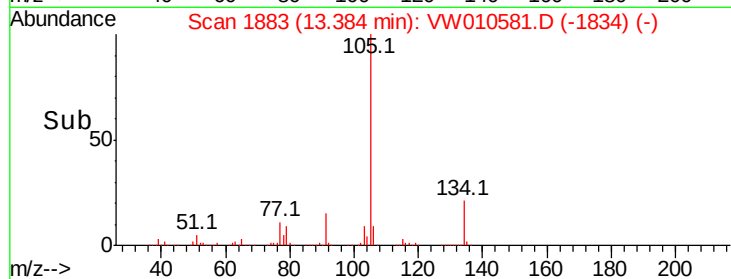
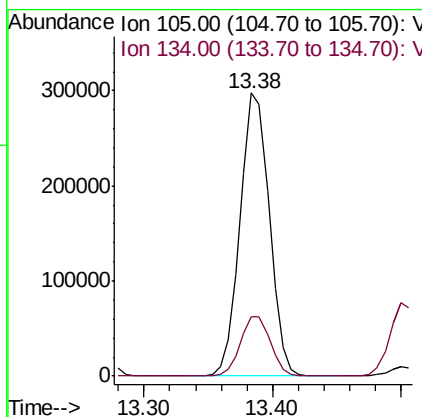
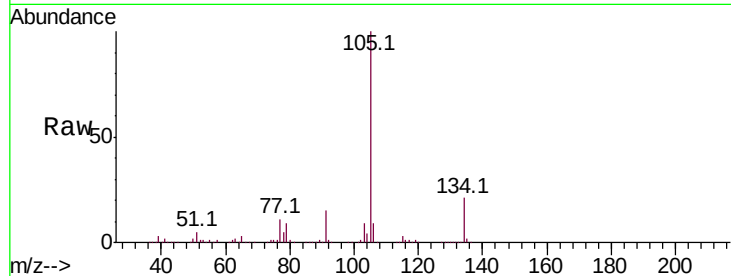
#85
 sec-Butylbenzene
 Concen: 57.253 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW010581.D
 Acq: 29 May 2019 10:26

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
134	21.6	10.5	31.6

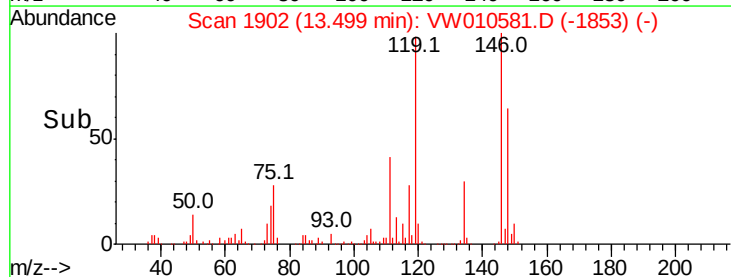
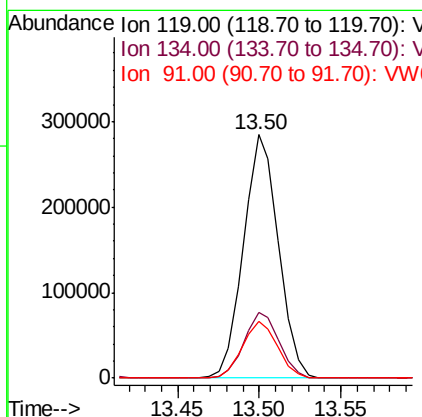
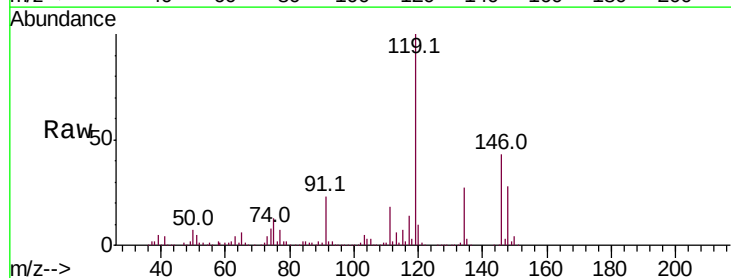
Manual Integrations
 APPROVED

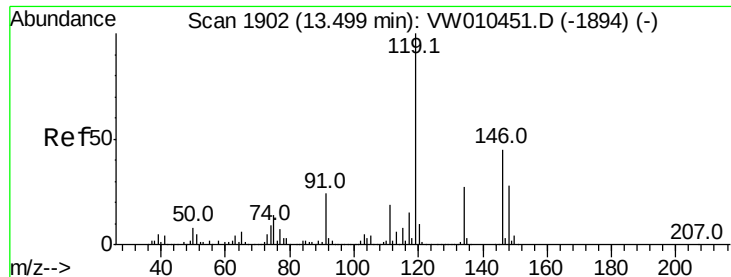
MMDadoda
 5/30/2019 10:13:09 AM



#86
 p-Isopropyltoluene
 Concen: 57.206 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW010581.D
 Acq: 29 May 2019 10:26

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.2	13.6	40.7
91	23.4	11.9	35.7





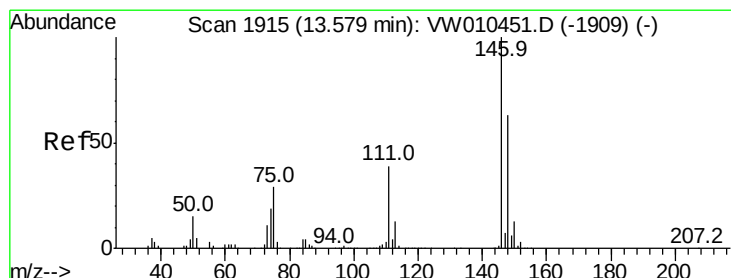
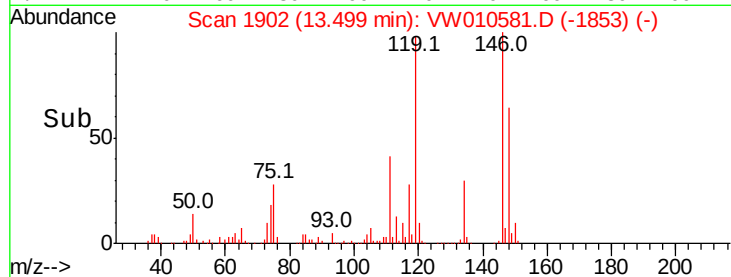
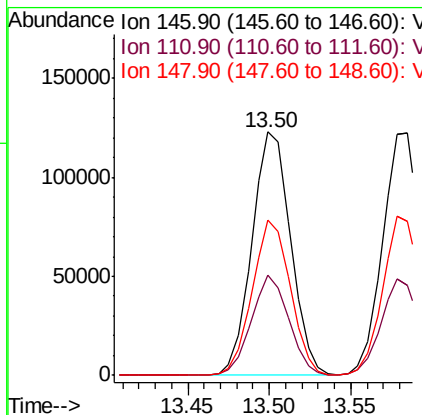
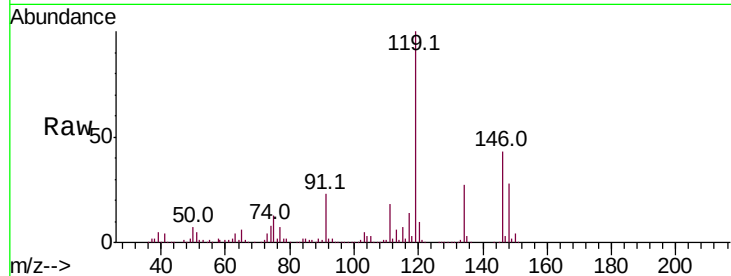
#87
 1,3-Dichlorobenzene
 Concen: 58.471 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW010581.D
 Acq: 29 May 2019 10:26

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion:	146	Resp:	202560
Ion Ratio	Lower	Upper	
146	100		
111	39.7	20.3	60.9
148	62.7	31.6	94.8

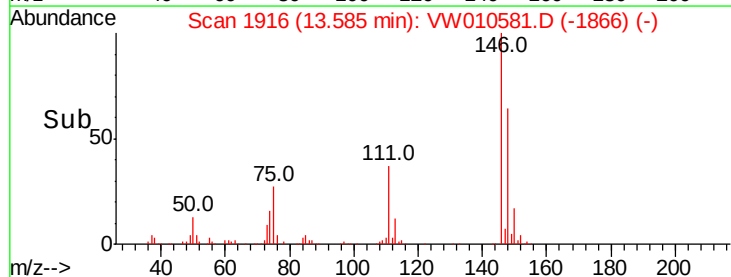
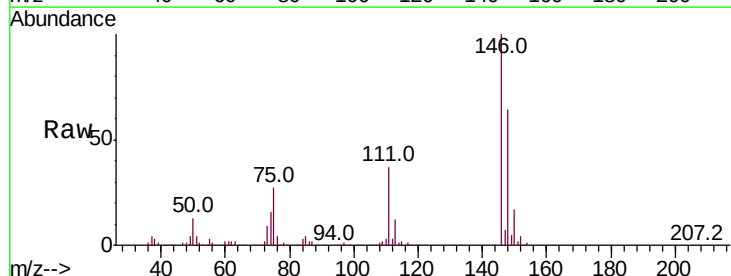
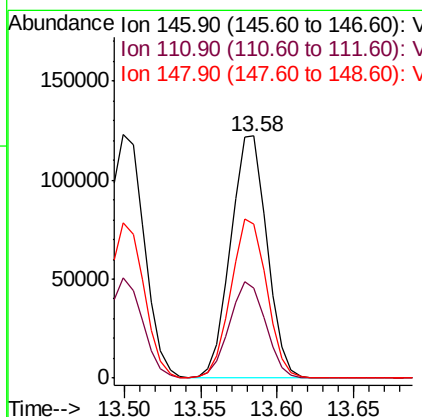
Manual Integrations
 APPROVED

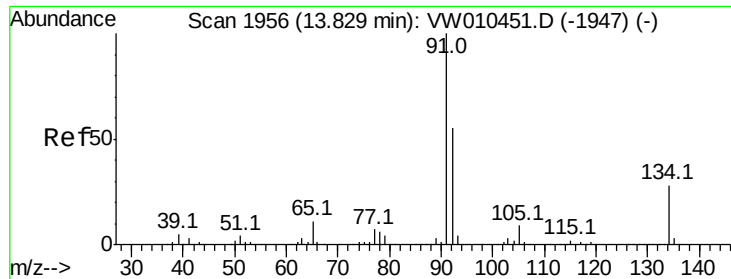
MMDadoda
 5/30/2019 10:13:09 AM



#88
 1,4-Dichlorobenzene
 Concen: 57.955 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.01 min
 Lab File: VW010581.D
 Acq: 29 May 2019 10:26

Tgt Ion:	146	Resp:	201441
Ion Ratio	Lower	Upper	
146	100		
111	39.8	19.9	59.6
148	64.7	31.6	94.8





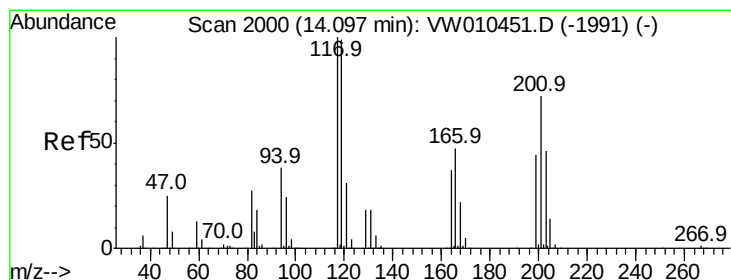
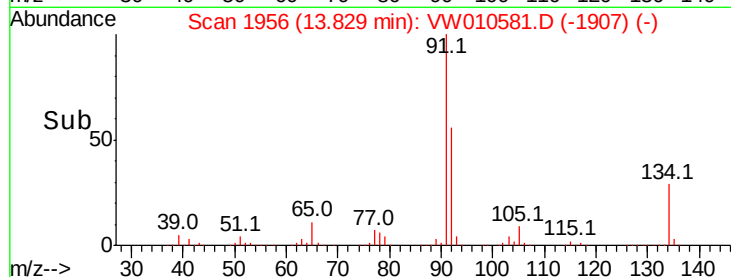
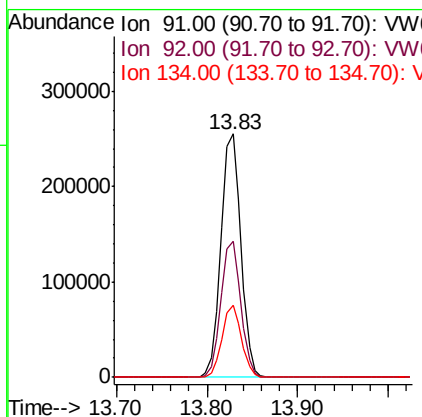
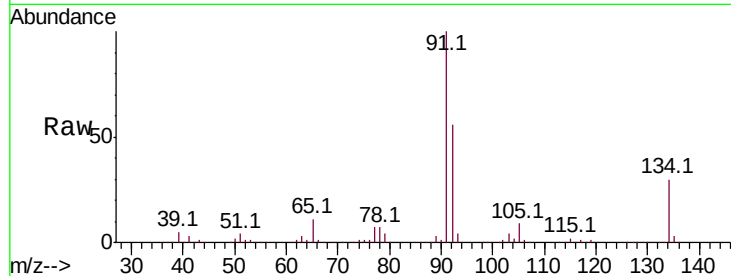
#89
n-Butylbenzene
Concen: 55.725 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW010581.D
Acq: 29 May 2019 10:26

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	55.7	27.7	83.1
134	28.7	13.9	41.6

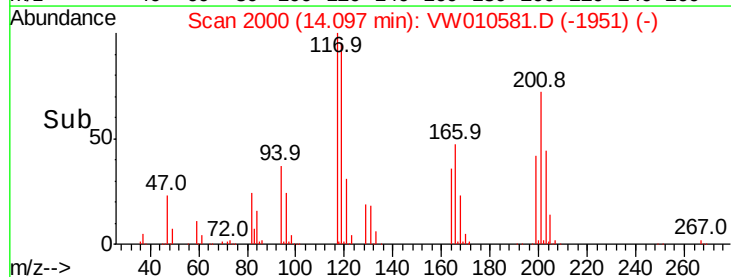
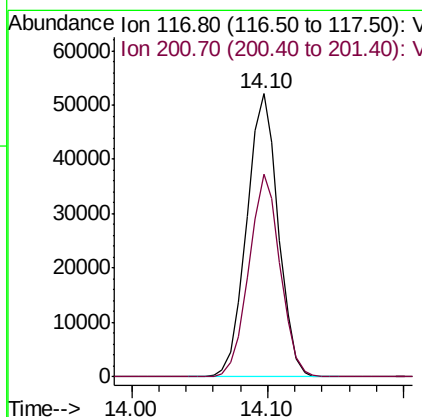
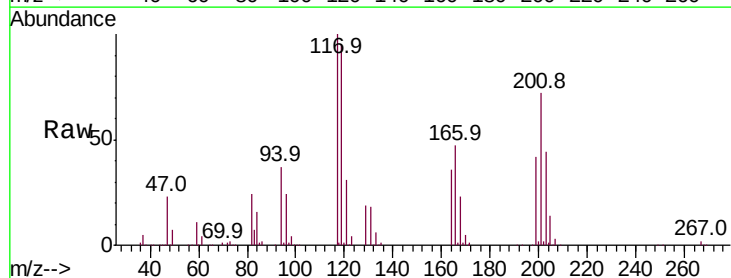
Manual Integrations
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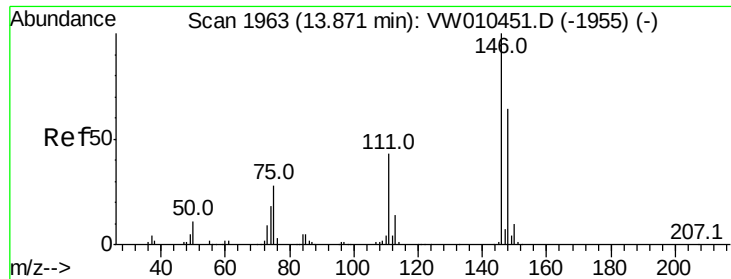
MMDadoda
5/30/2019 10:13:09 AM



#90
Hexachloroethane
Concen: 59.067 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. -0.00 min
Lab File: VW010581.D
Acq: 29 May 2019 10:26

Tgt Ion	Ratio	Lower	Upper
117	100		
201	71.1	34.6	103.8





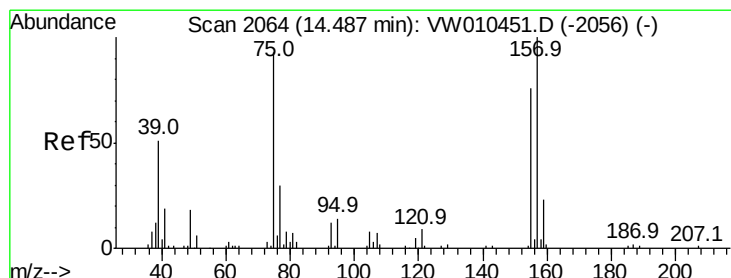
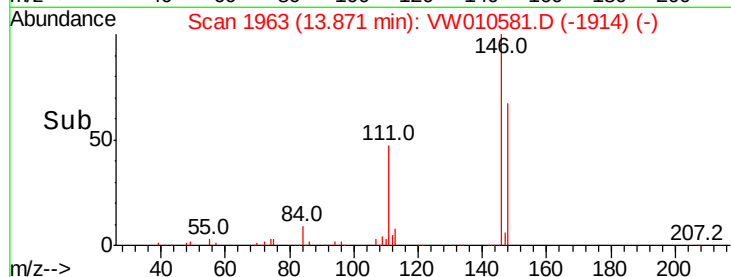
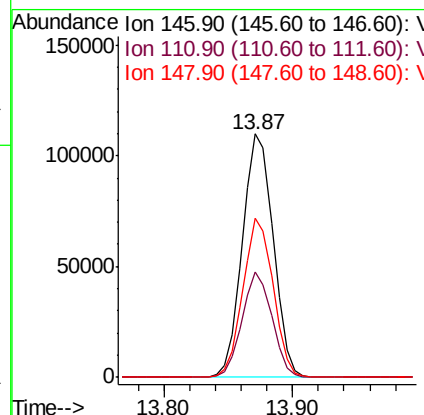
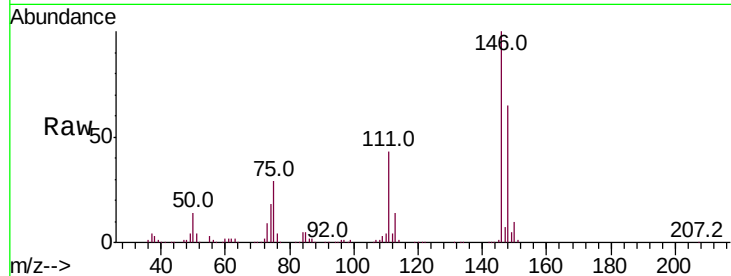
#91
1,2-Dichlorobenzene
Concen: 57.508 ug/l
RT: 13.87 min Scan# 1963
Delta R.T. -0.00 min
Lab File: VW010581.D
Acq: 29 May 2019 10:26

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.9	21.3	64.0
148	63.9	32.0	96.0

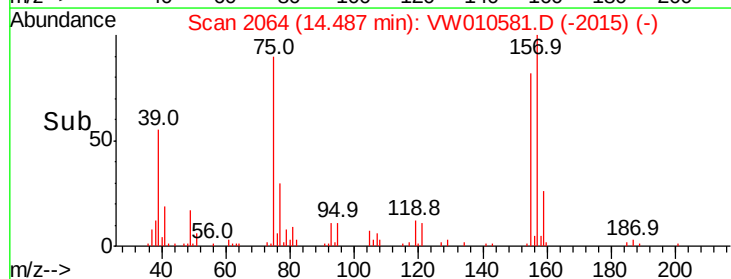
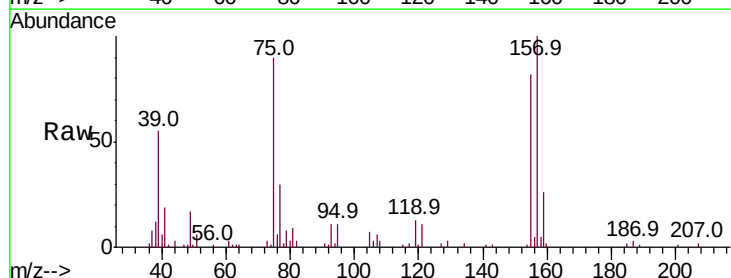
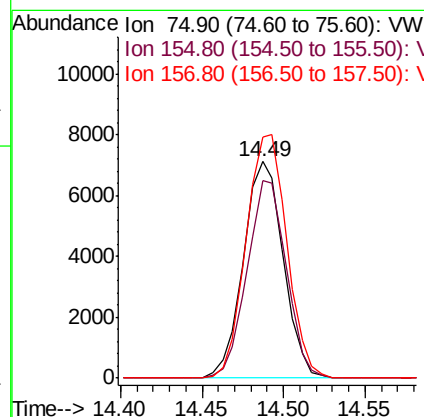
Manual Integrations
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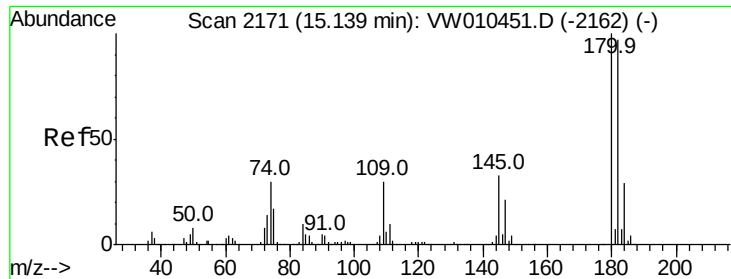
MMDadoda
5/30/2019 10:13:09 AM



#92
1,2-Dibromo-3-Chloropropane
Concen: 45.544 ug/l
RT: 14.49 min Scan# 2064
Delta R.T. -0.00 min
Lab File: VW010581.D
Acq: 29 May 2019 10:26

Tgt Ion	Ratio	Lower	Upper
75	100		
155	89.7	43.0	129.0
157	114.8	55.7	167.1





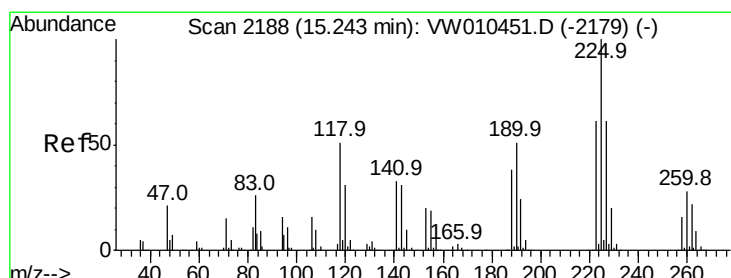
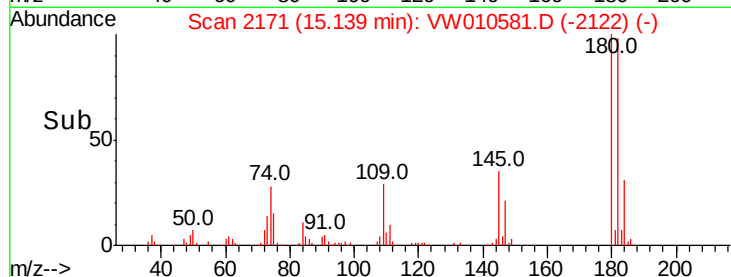
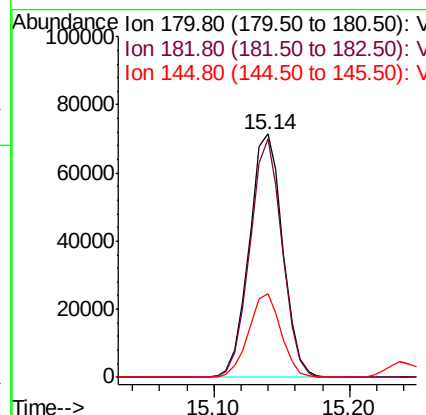
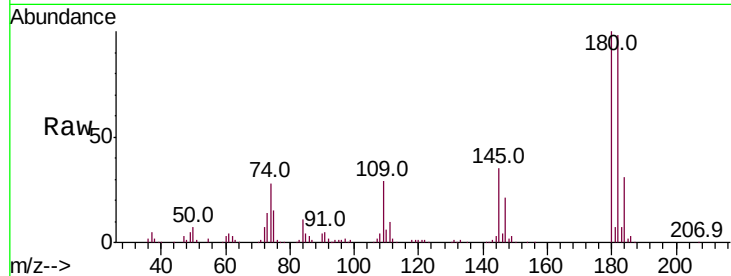
#93
 1,2,4-Trichlorobenzene
 Concen: 57.244 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW010581.D
 Acq: 29 May 2019 10:26

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	122943		
182	94.6	47.0	141.2	
145	33.6	16.7	50.0	

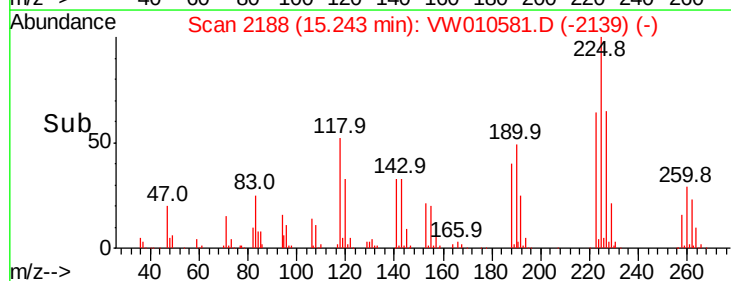
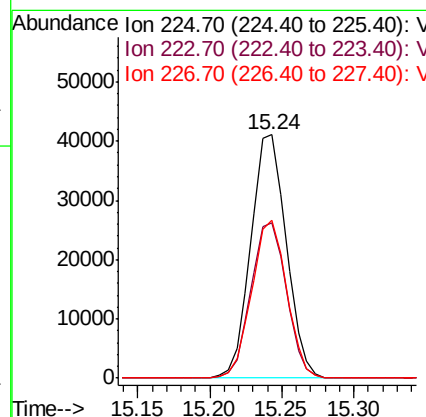
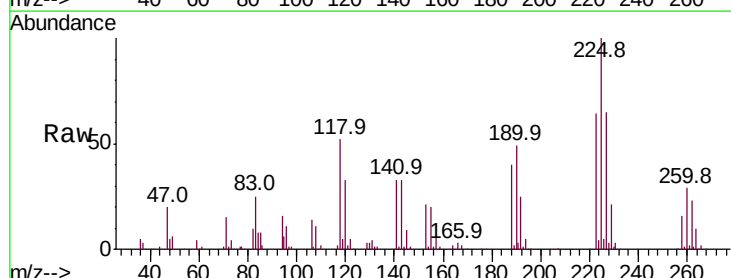
Manual Integrations
 APPROVED

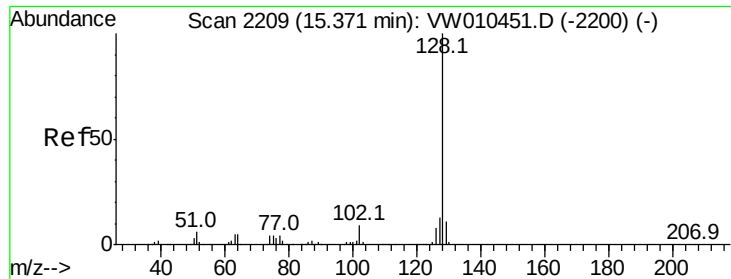
MMDadoda
 5/30/2019 10:13:09 AM



#94
 Hexachlorobutadiene
 Concen: 60.874 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW010581.D
 Acq: 29 May 2019 10:26

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	69843		
223	64.1	31.1	93.2	
227	63.9	31.1	93.5	





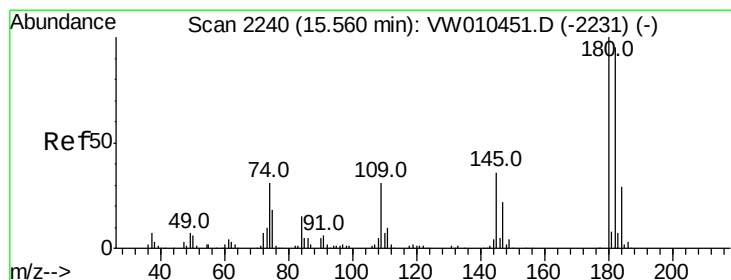
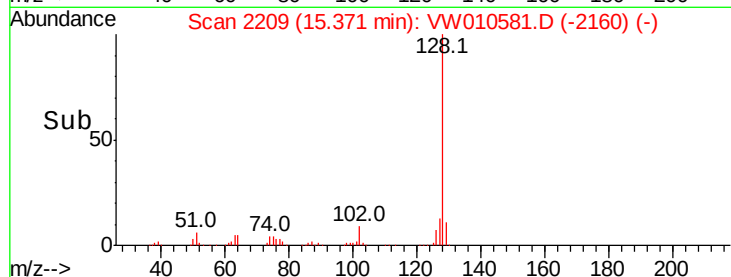
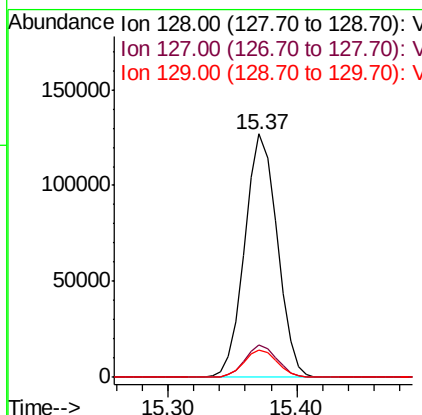
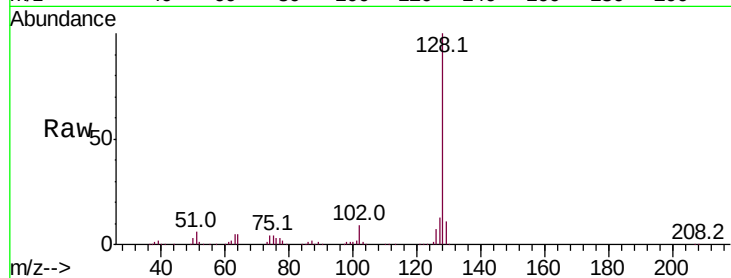
#95
Naphthalene
Concen: 49.141 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VW010581.D
Acq: 29 May 2019 10:26

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100	221543		
127	13.0		10.6	15.8
129	11.4		8.9	13.3

Manual Integrations
APPROVED

MMDadoda
5/30/2019 10:13:09 AM



#96
1,2,3-Trichlorobenzene
Concen: 56.130 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW010581.D
Acq: 29 May 2019 10:26

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	103728		
182	94.6		47.1	141.3
145	35.0		17.4	52.3

