

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW062320\
 Data File : VW015656.D
 Acq On : 23 Jun 2020 12:27
 Operator : SY/VA
 Sample : VSTDIC100
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Manual Integrations
 APPROVED

MMDadoda
 6/24/2020 10:58:16 AM

Quant Time: Jun 23 13:02:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W062320S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 23 12:41:55 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	232768	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	362186	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	335692	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	166705	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	230863	94.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	188.42%	
35) Dibromofluoromethane	7.88	113	206595	96.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	192.50%	
50) Toluene-d8	10.33	98	833232	95.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	191.40%	
62) 4-Bromofluorobenzene	12.62	95	310556	98.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	196.66%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	149218	112.925	ug/l	96
3) Chloromethane	2.22	50	154456	96.069	ug/l	99
4) Vinyl Chloride	2.37	62	252826	100.162	ug/l	100
5) Bromomethane	2.78	94	178765	100.686	ug/l	96
6) Chloroethane	2.93	64	163535	100.061	ug/l	100
7) Trichlorofluoromethane	3.26	101	198854	104.886	ug/l	99
8) Diethyl Ether	3.68	74	108784	97.446	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	219895	96.597	ug/l	100
10) Methyl Iodide	4.28	142	317906	95.485	ug/l	100
11) Tert butyl alcohol	5.18	59	71943	387.980	ug/l	99
12) 1,1-Dichloroethene	4.04	96	216643	95.957	ug/l	98
13) Acrolein	3.89	56	84319	553.553	ug/l	99
14) Allyl chloride	4.67	41	371638	98.097	ug/l	98
15) Acrylonitrile	5.37	53	234786	517.988	ug/l	99
16) Acetone	4.12	43	250771	505.776	ug/l	99
17) Carbon Disulfide	4.38	76	661717	98.297	ug/l	100
18) Methyl Acetate	4.67	43	102365	95.186	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	324926	95.214	ug/l	98
20) Methylene Chloride	4.92	84	235581	91.740	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	254429	100.177	ug/l	96
22) Diisopropyl ether	6.32	45	717265	99.776	ug/l	99
23) Vinyl Acetate	6.26	43	2198652	521.424	ug/l	100
24) 1,1-Dichloroethane	6.22	63	443583	97.858	ug/l	99
25) 2-Butanone	7.18	43	324246	508.314	ug/l	100
26) 2,2-Dichloropropane	7.17	77	277296	87.181	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	274191	99.274	ug/l	98
28) Bromochloromethane	7.52	49	165968	97.669	ug/l	100
29) Tetrahydrofuran	7.53	42	196058	515.099	ug/l	100
30) Chloroform	7.68	83	449469	98.226	ug/l	98
31) Cyclohexane	7.96	56	411305	91.970	ug/l	100
32) 1,1,1-Trichloroethane	7.88	97	389203	98.099	ug/l	98
36) 1,1-Dichloropropene	8.09	75	370637	99.952	ug/l	100
37) Ethyl Acetate	7.26	43	142261	101.806	ug/l	100
38) Carbon Tetrachloride	8.07	117	362976	100.499	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	468788	102.575	ug/l	99
40) Benzene	8.33	78	1000124	100.296	ug/l	99
41) Methacrylonitrile	7.49	41	84495	106.792	ug/l	94
42) 1,2-Dichloroethane	8.40	62	304738	100.663	ug/l	100
43) Isopropyl Acetate	8.43	43	286824	103.449	ug/l	99
44) Trichloroethene	9.10	130	269392	100.870	ug/l	97
45) 1,2-Dichloropropane	9.37	63	244307	100.904	ug/l	98
46) Dibromomethane	9.46	93	128143	104.344	ug/l	99
47) Bromodichloromethane	9.65	83	342484	102.852	ug/l	99
48) Methyl methacrylate	9.44	41	135985	107.003	ug/l	100
49) 1,4-Dioxane	9.45	88	34838	2153.937	ug/l	99
51) 4-Methyl-2-Pentanone	10.21	43	696853	528.714	ug/l	99
52) Toluene	10.39	92	661046	102.671	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	344279	105.743	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	401492	103.823	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	178660	104.247	ug/l	99
56) Ethyl methacrylate	10.65	69	238869	108.000	ug/l	97
57) 1,3-Dichloropropane	10.93	76	315186	103.791	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	535074	505.939	ug/l	100
59) 2-Hexanone	10.97	43	492619	543.703	ug/l	99
60) Dibromochloromethane	11.13	129	220662	105.827	ug/l	100
61) 1,2-Dibromoethane	11.24	107	171761	104.862	ug/l	99
64) Tetrachloroethene	10.87	164	227837	99.545	ug/l	96
65) Chlorobenzene	11.66	112	676321	98.113	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	250967	102.104	ug/l	98
67) Ethyl Benzene	11.73	91	1302672	100.355	ug/l	99
68) m/p-Xylenes	11.84	106	984255	203.081	ug/l	99
69) o-Xylene	12.17	106	458054	101.811	ug/l	100
70) Styrene	12.18	104	795077	103.469	ug/l	99
71) Bromoform	12.35	173	121574	104.704	ug/l	# 96
73) Isopropylbenzene	12.47	105	1300263	101.760	ug/l	99
74) N-amyl acetate	12.27	43	279977	104.374	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	200731	103.444	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	147786m	105.301	ug/l	
77) Bromobenzene	12.75	156	283090	102.656	ug/l	99
78) n-propylbenzene	12.80	91	1531927	100.073	ug/l	99
79) 2-Chlorotoluene	12.90	91	862693	99.829	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	1077892	99.846	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.51	75	68206	107.571	ug/l	98
82) 4-Chlorotoluene	12.99	91	906889	101.247	ug/l	99
83) tert-Butylbenzene	13.21	119	906859	98.881	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	1068517	99.239	ug/l	99
85) sec-Butylbenzene	13.38	105	1288020	98.868	ug/l	99
86) p-Isopropyltoluene	13.50	119	1207339	101.593	ug/l	98
87) 1,3-Dichlorobenzene	13.51	146	556456	101.498	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	539092	99.526	ug/l	97
89) n-Butylbenzene	13.82	91	1146907	100.171	ug/l	99
90) Hexachloroethane	14.10	117	213764	98.156	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	480128	100.827	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	33247	100.441	ug/l	97

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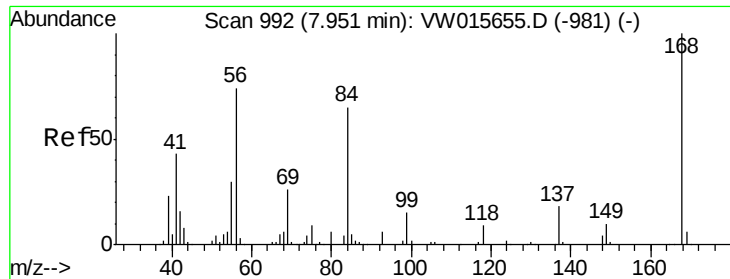
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	331012	100.908	ug/l	100
94) Hexachlorobutadiene	15.24	225	203388	100.685	ug/l	99
95) Naphthalene	15.37	128	573844	105.131	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	280453	102.174	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW015656.D

Acq: 23 Jun 2020 12:27

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion:168 Resp: 232768

Ion Ratio Lower Upper

168 100

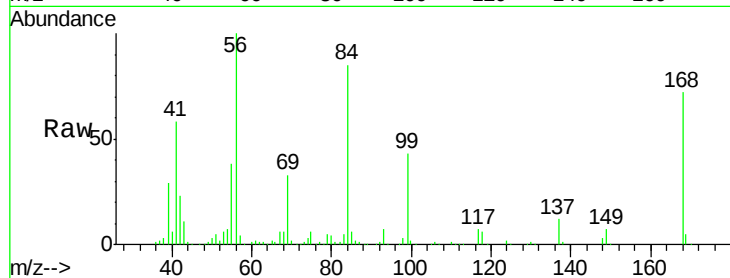
99 58.8 48.6 73.0

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

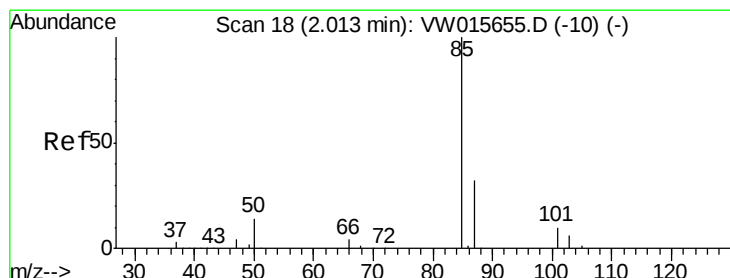
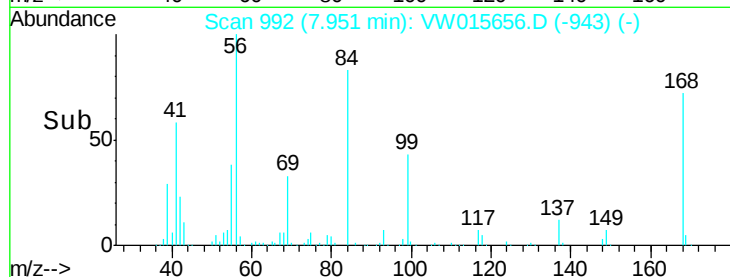
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 112.925 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW015656.D

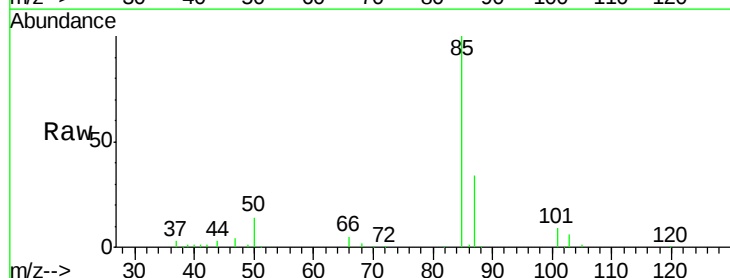
Acq: 23 Jun 2020 12:27

Tgt Ion: 85 Resp: 149218

Ion Ratio Lower Upper

85 100

87 33.8 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

50000

40000

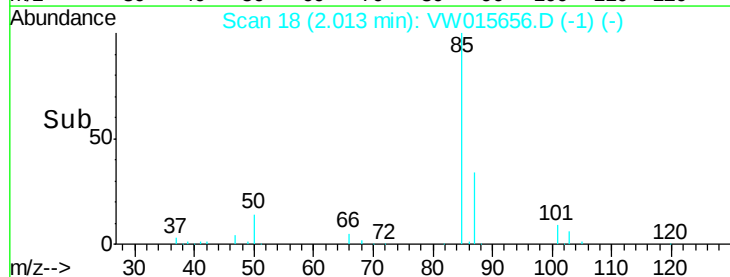
30000

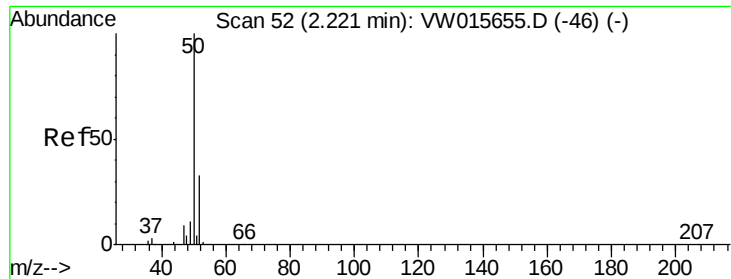
20000

10000

0

Time--> 1.80 2.00 2.20 2.40





#3

Chloromethane

Concen: 96.069 ug/l

RT: 2.22 min Scan# 52

Delta R.T. 0.00 min

Lab File: VW015656.D

Acq: 23 Jun 2020 12:27

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion: 50 Resp: 154456

Ion Ratio Lower Upper

50 100

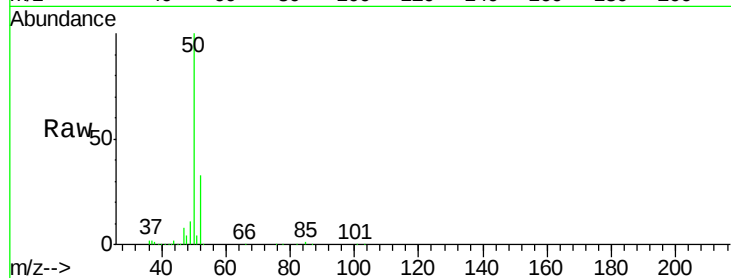
52 32.8 26.0 39.0

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Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW

2.22

100000

80000

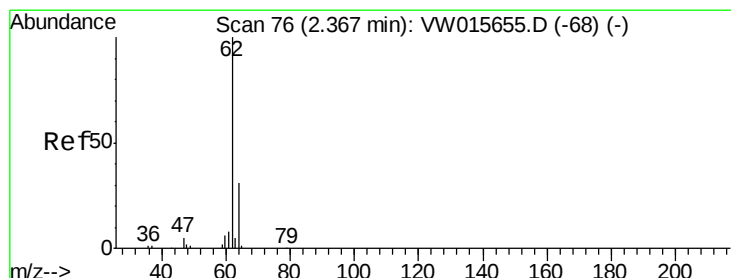
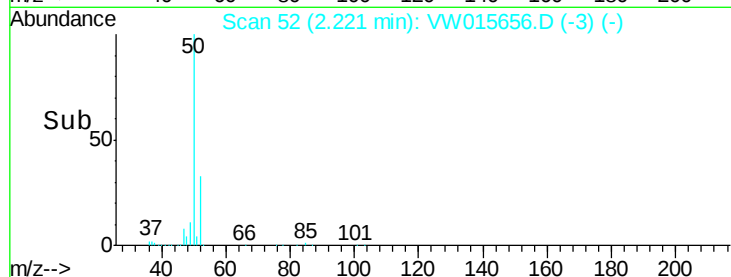
60000

40000

20000

0

Time-->



#4

Vinyl Chloride

Concen: 100.162 ug/l

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW015656.D

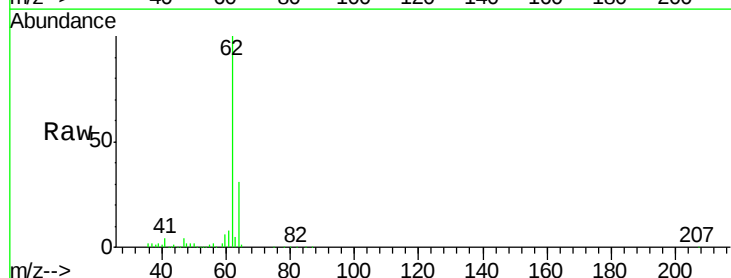
Acq: 23 Jun 2020 12:27

Tgt Ion: 62 Resp: 252826

Ion Ratio Lower Upper

62 100

64 31.2 25.1 37.7



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW

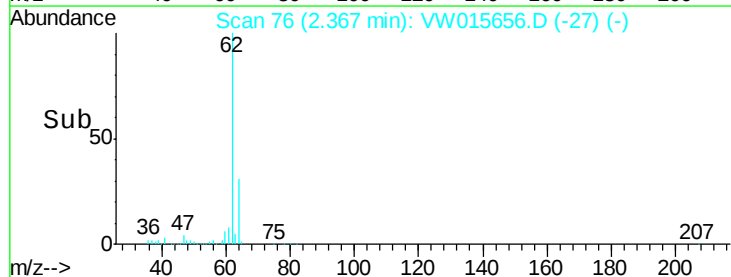
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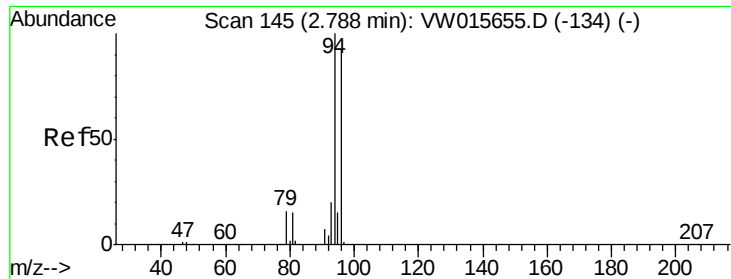
100000

50000

0

Time-->





#5

Bromomethane

Concen: 100.686 ug/l

RT: 2.78 min Scan# 144

Delta R.T. -0.01 min

Lab File: VW015656.D

Acq: 23 Jun 2020 12:27

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion: 94 Resp: 178765

Ion Ratio Lower Upper

94 100

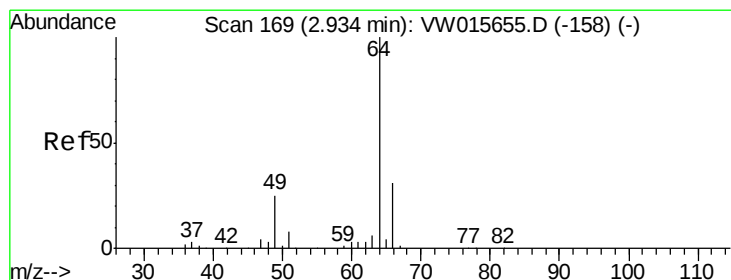
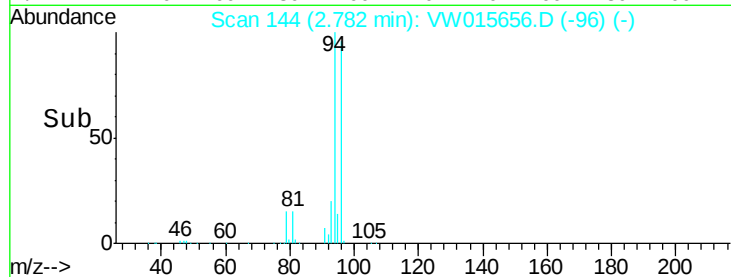
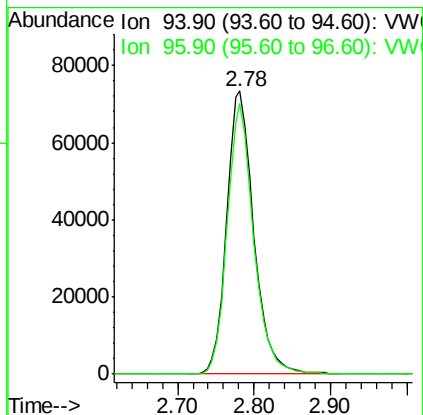
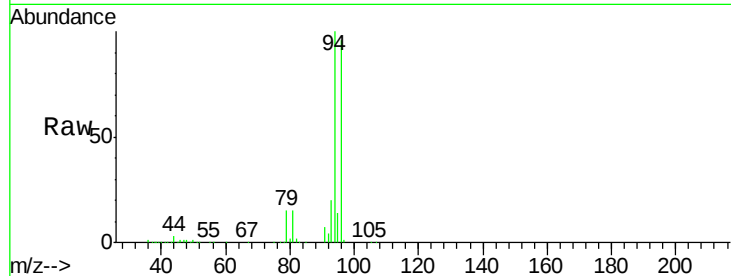
96 95.7 73.8 110.6

Manual Integrations

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#6

Chloroethane

Concen: 100.061 ug/l

RT: 2.93 min Scan# 168

Delta R.T. -0.01 min

Lab File: VW015656.D

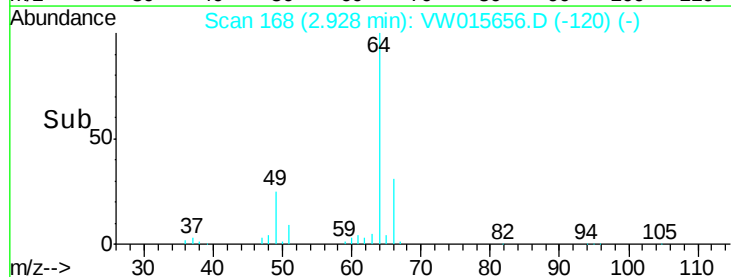
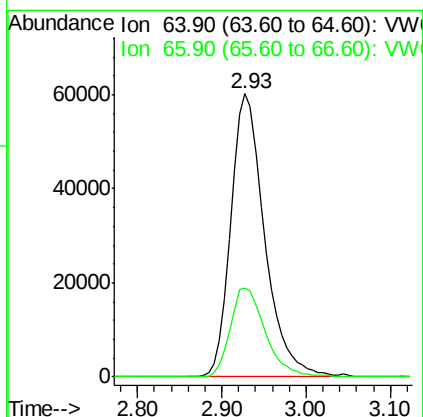
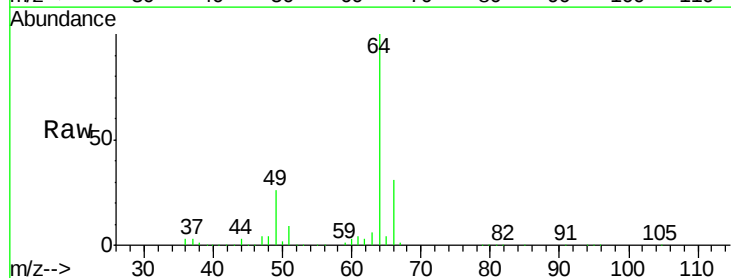
Acq: 23 Jun 2020 12:27

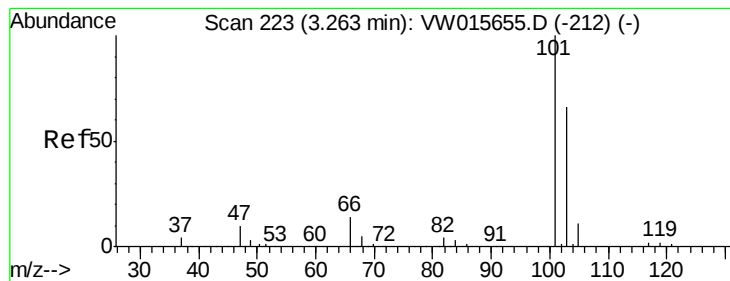
Tgt Ion: 64 Resp: 163535

Ion Ratio Lower Upper

64 100

66 31.4 25.3 37.9





#7

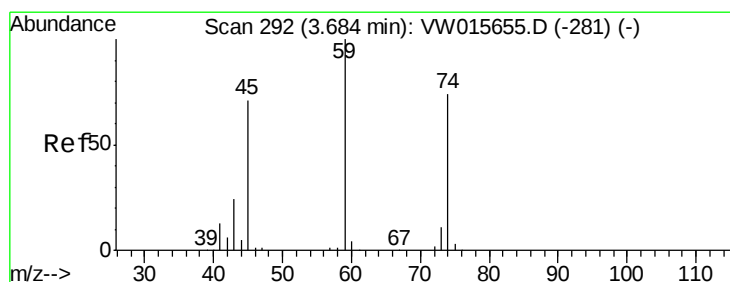
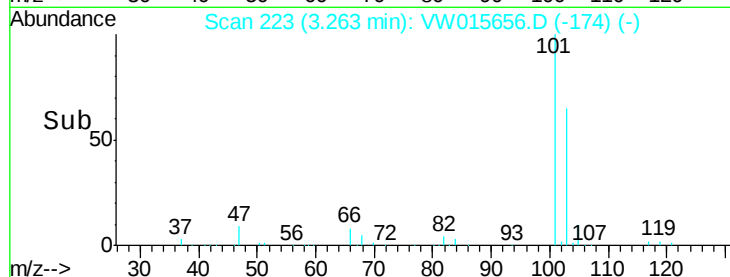
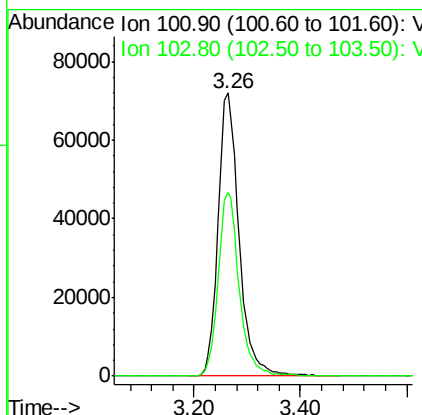
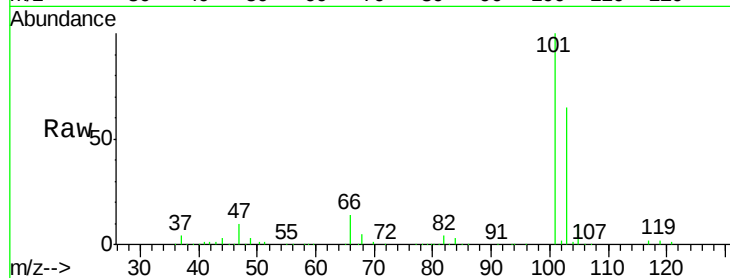
Trichlorofluoromethane
Concen: 104.886 ug/l
RT: 3.26 min Scan# 223
Delta R.T. 0.00 min
Lab File: VW015656.D
Acq: 23 Jun 2020 12:27

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ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.0	52.6	78.8

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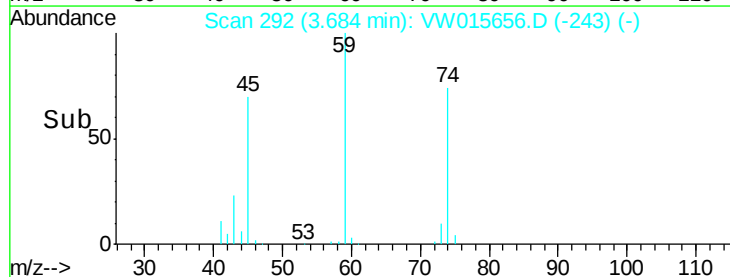
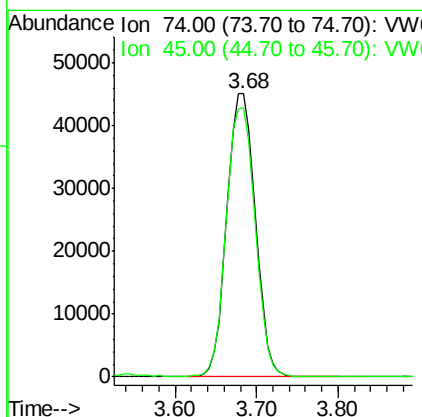
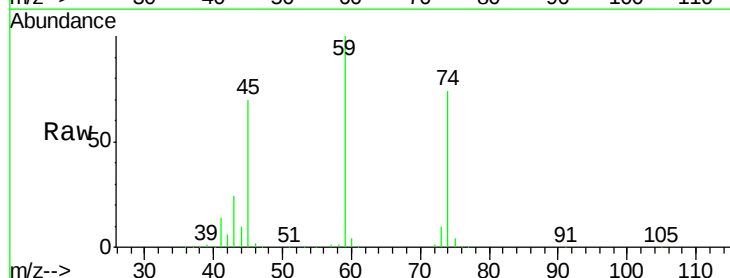
MMDadoda
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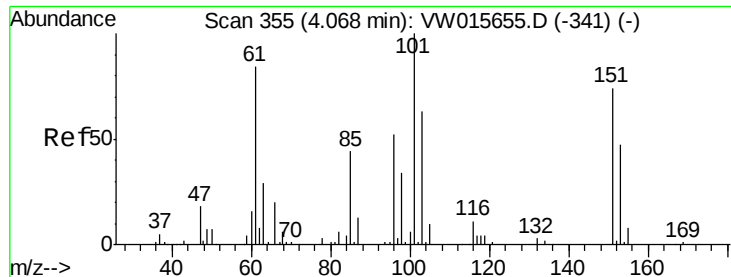


#8

Diethyl Ether
Concen: 97.446 ug/l
RT: 3.68 min Scan# 292
Delta R.T. 0.00 min
Lab File: VW015656.D
Acq: 23 Jun 2020 12:27

Tgt Ion	Ratio	Lower	Upper
74	100		
45	95.9	48.2	144.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 96.597 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW015656.D

Acq: 23 Jun 2020 12:27

Instrument :

MSVOA_W

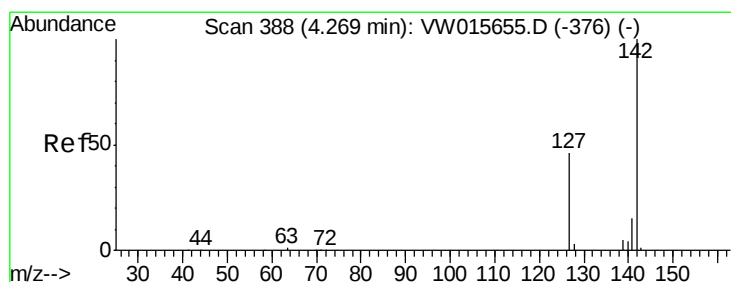
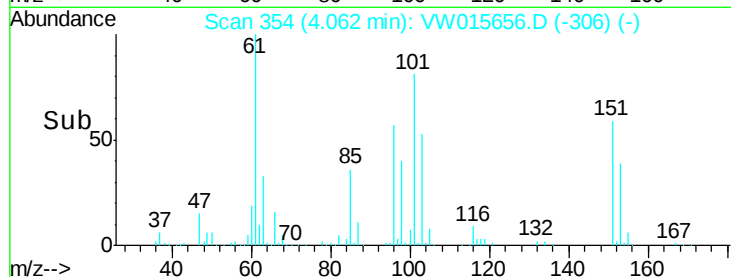
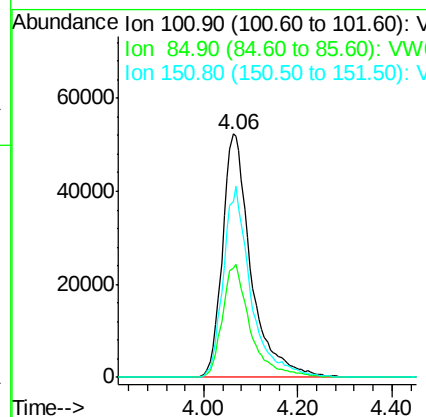
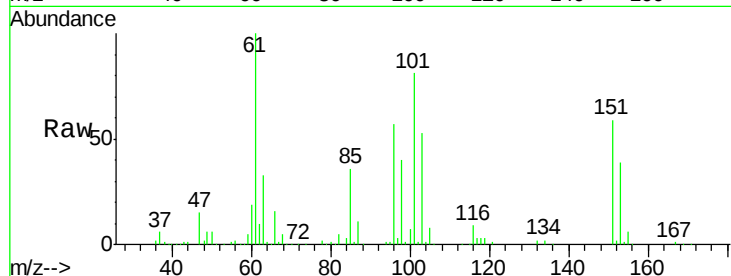
ClientSampleId :

VSTDIC100

Tot Ion:	101	Resp:	219895
Ion Ratio	Lower	Upper	
101	100		
85	45.5	36.6	55.0
151	75.5	60.4	90.6

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6/24/2020 10:58:16 AM



#10

Methyl Iodide

Concen: 95.485 ug/l

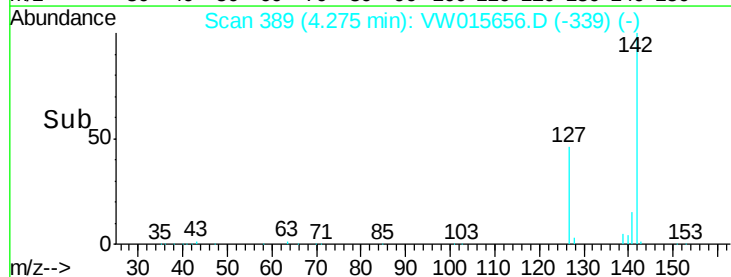
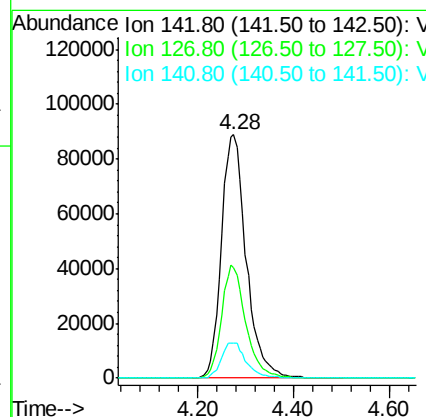
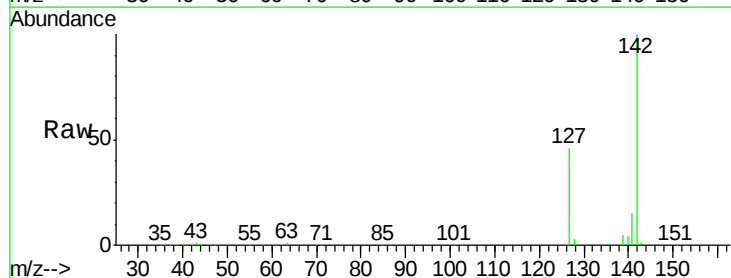
RT: 4.28 min Scan# 389

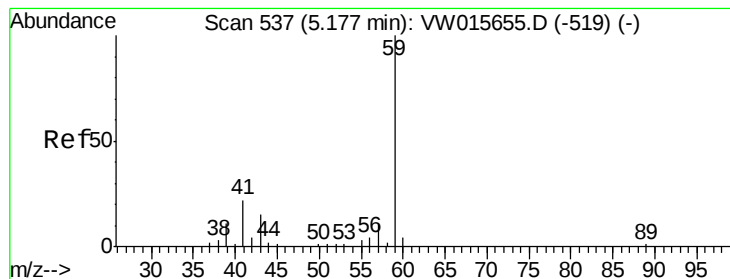
Delta R.T. 0.01 min

Lab File: VW015656.D

Acq: 23 Jun 2020 12:27

Tgt Ion:	142	Resp:	317906
Ion Ratio	Lower	Upper	
142	100		
127	45.3	36.4	54.6
141	14.5	11.6	17.4





#11

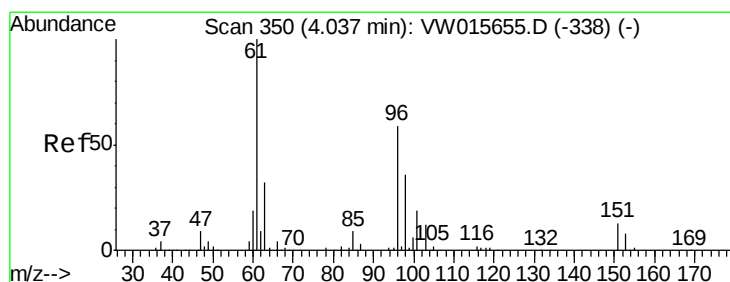
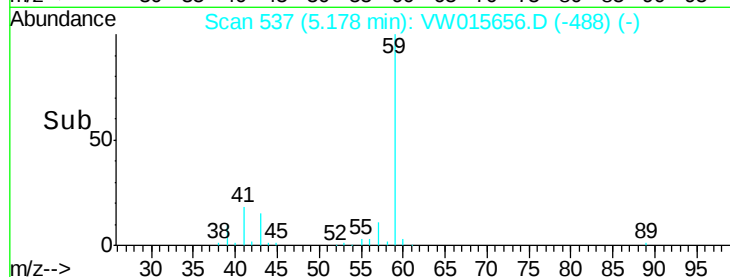
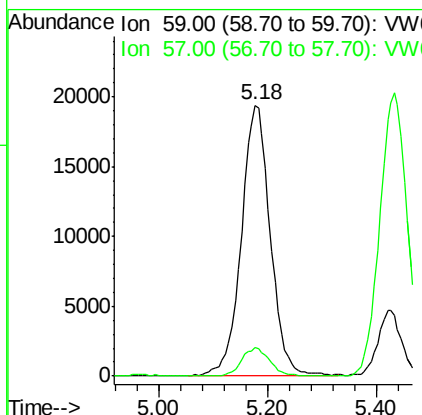
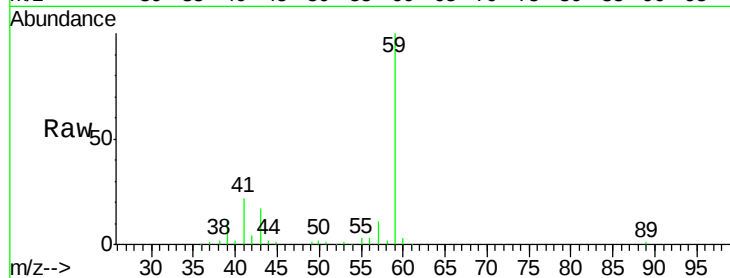
Tert butyl alcohol
Concen: 387.980 ug/l
RT: 5.18 min Scan# 537
Delta R.T. 0.00 min
Lab File: VW015656.D
Acq: 23 Jun 2020 12:27

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.1	8.4	12.6

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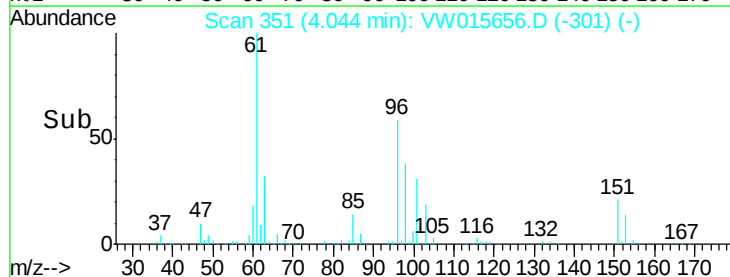
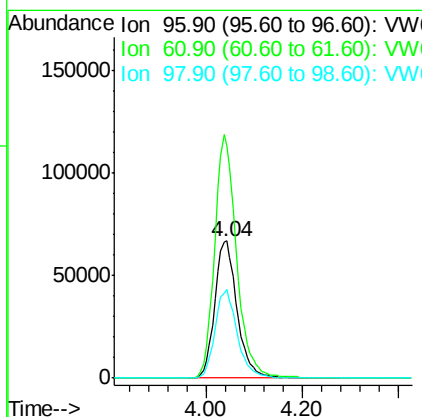
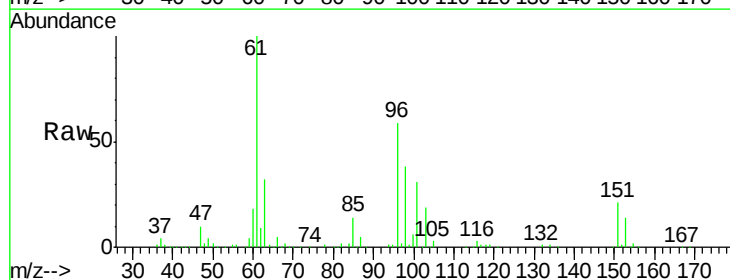
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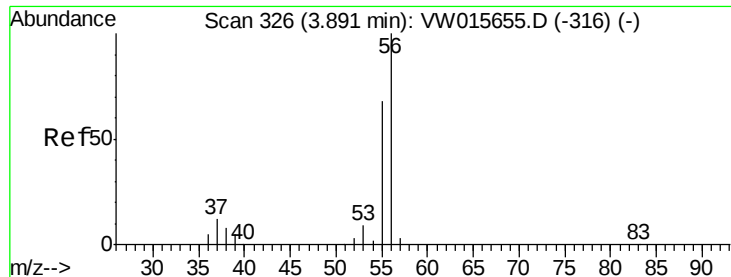


#12

1,1-Dichloroethene
Concen: 95.957 ug/l
RT: 4.04 min Scan# 351
Delta R.T. 0.01 min
Lab File: VW015656.D
Acq: 23 Jun 2020 12:27

Tgt Ion	Ratio	Lower	Upper
96	100		
61	169.6	136.7	205.1
98	64.2	49.2	73.8





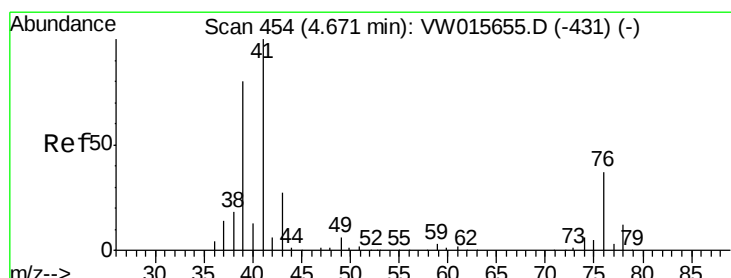
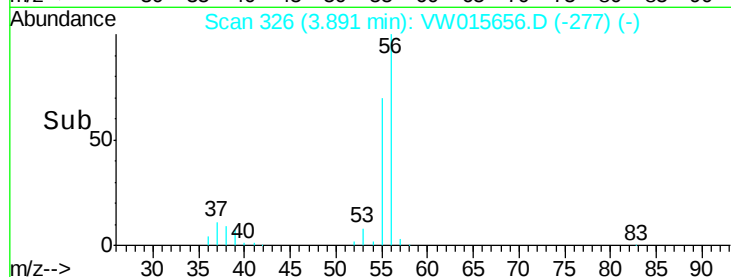
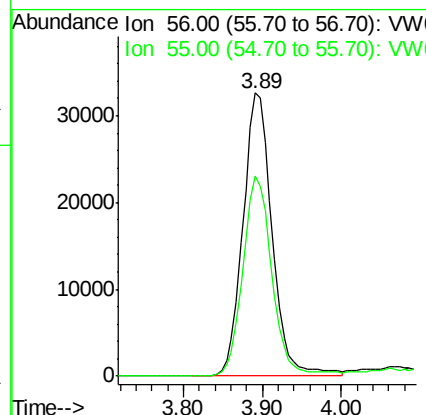
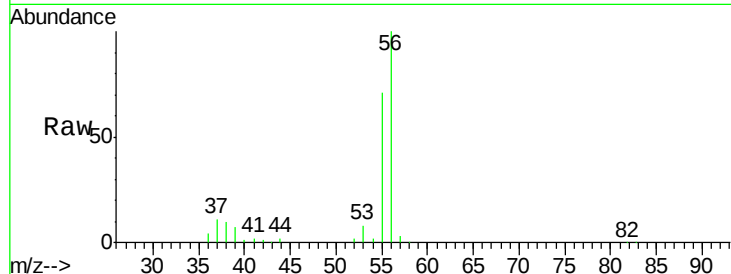
#13
Acrolein
Concen: 553.553 ug/l
RT: 3.89 min Scan# 326
Delta R.T. 0.00 min
Lab File: VW015656.D
Acq: 23 Jun 2020 12:27

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion: 56 Resp: 84319
Ion Ratio Lower Upper
56 100
55 70.7 56.2 84.2

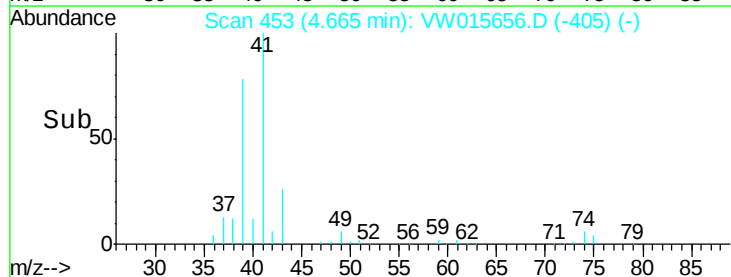
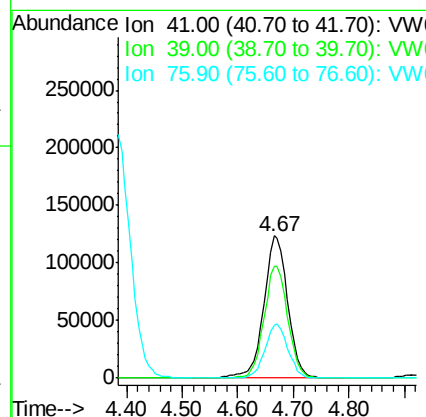
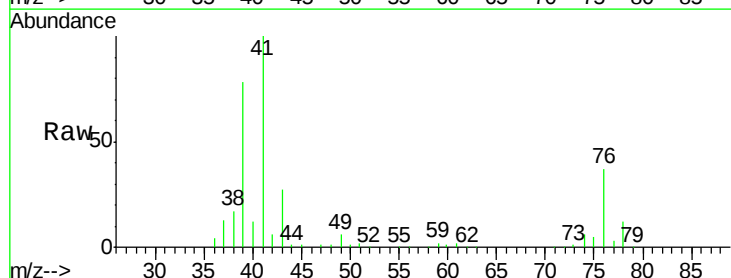
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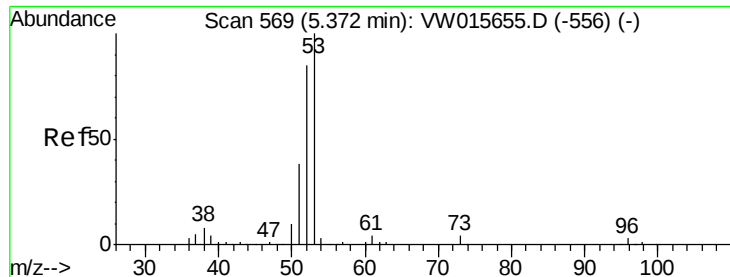
MMDadoda
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#14
Allyl chloride
Concen: 98.097 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.01 min
Lab File: VW015656.D
Acq: 23 Jun 2020 12:27

Tgt Ion: 41 Resp: 371638
Ion Ratio Lower Upper
41 100
39 78.1 64.6 97.0
76 35.9 29.1 43.7





#15

Acrylonitrile

Concen: 517.988 ug/l

RT: 5.37 min Scan# 569

Delta R.T. 0.00 min

Lab File: VW015656.D

Acq: 23 Jun 2020 12:27

Instrument :

MSVOA_W

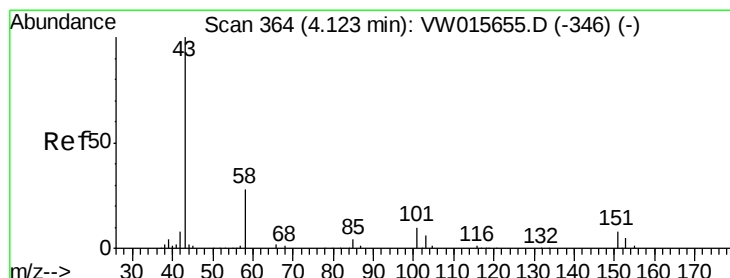
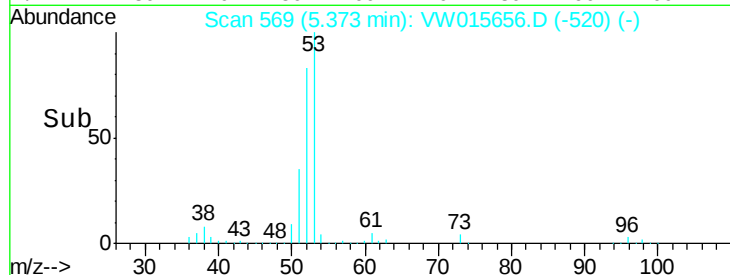
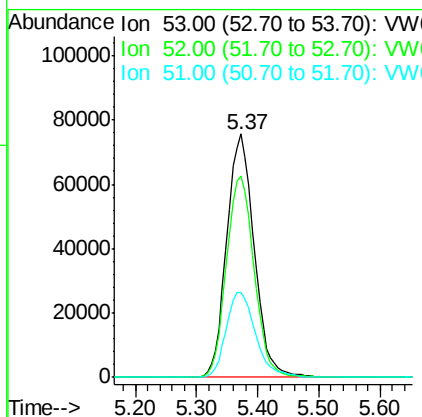
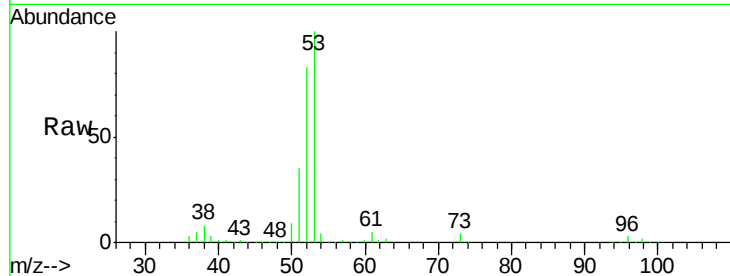
ClientSampleId :

VSTDIC100

Tot Ion:	53	Resp:	234786
Ion Ratio	Lower	Upper	
53	100		
52	82.8	65.8	98.6
51	37.5	30.7	46.1

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#16

Acetone

Concen: 505.776 ug/l

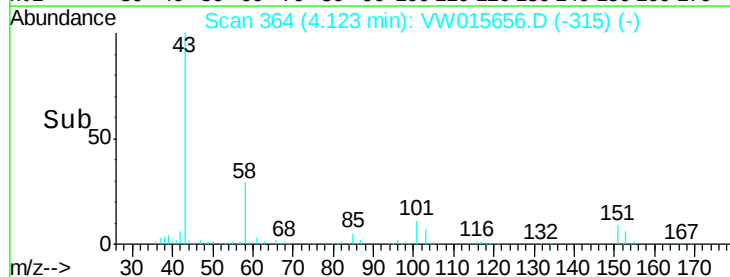
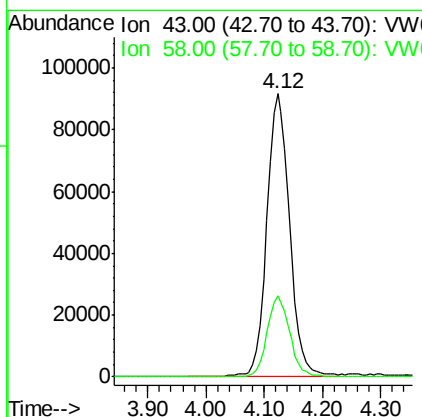
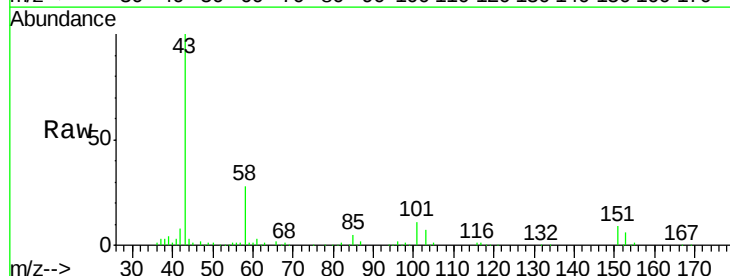
RT: 4.12 min Scan# 364

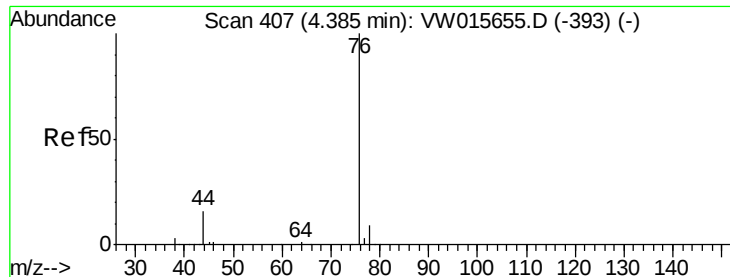
Delta R.T. 0.00 min

Lab File: VW015656.D

Acq: 23 Jun 2020 12:27

Tgt Ion:	43	Resp:	250771
Ion Ratio	Lower	Upper	
43	100		
58	28.5	22.6	33.8





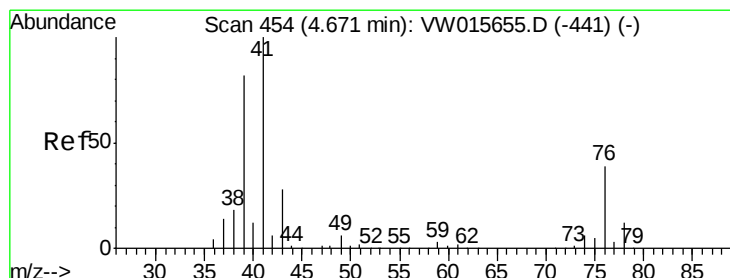
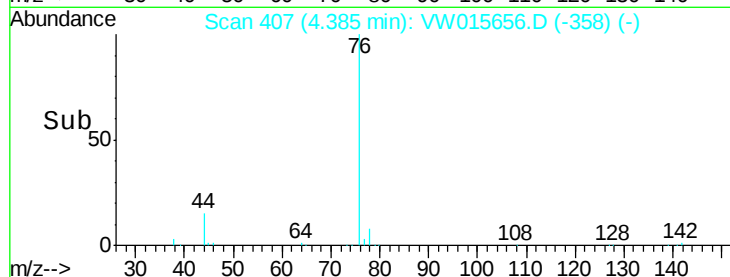
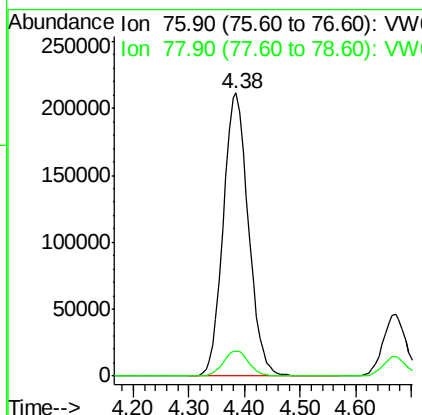
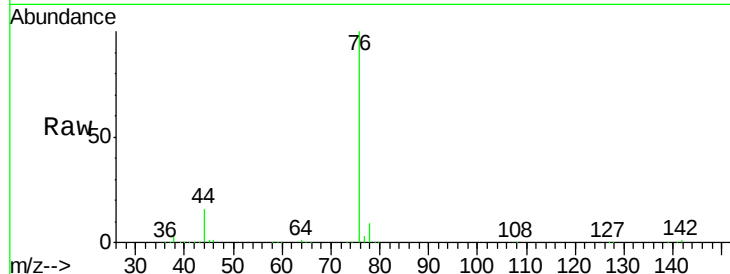
#17
Carbon Disulfide
Concen: 98.297 ug/l
RT: 4.38 min Scan# 407
Delta R.T. 0.00 min
Lab File: VW015656.D
Acq: 23 Jun 2020 12:27

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.2	10.8

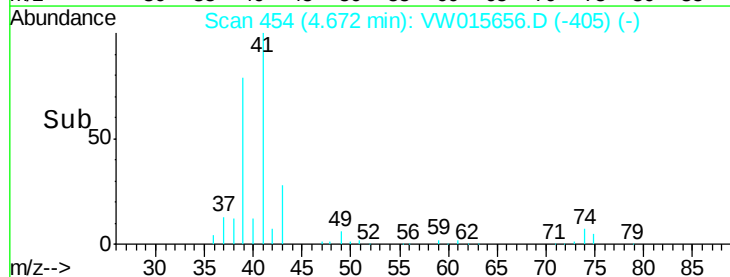
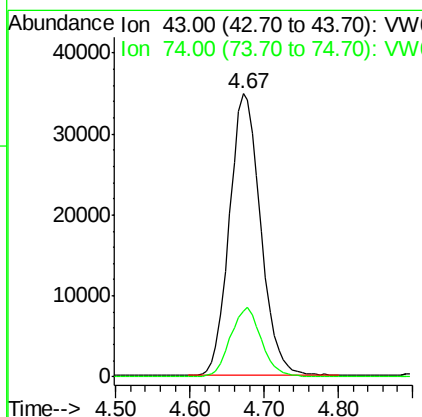
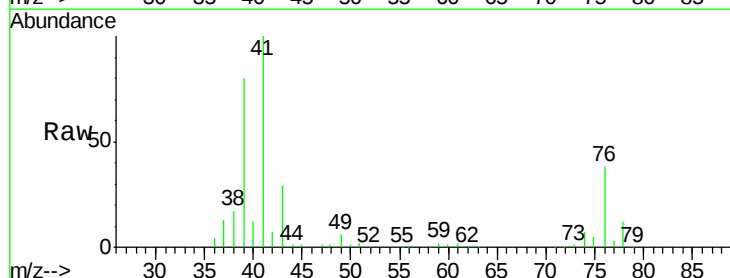
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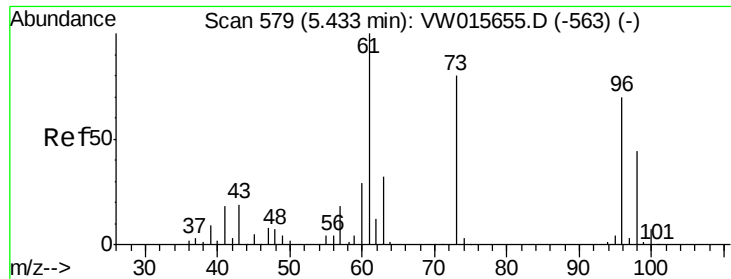
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#18
Methyl Acetate
Concen: 95.186 ug/l
RT: 4.67 min Scan# 454
Delta R.T. 0.00 min
Lab File: VW015656.D
Acq: 23 Jun 2020 12:27

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.5	19.0	28.6





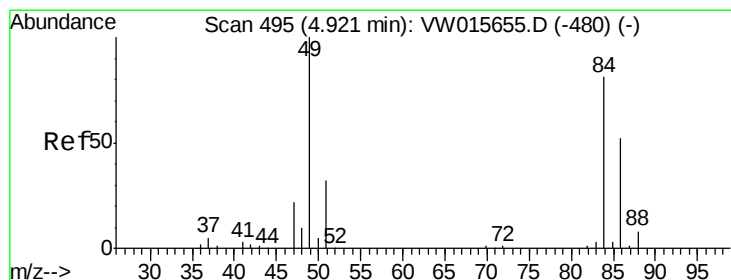
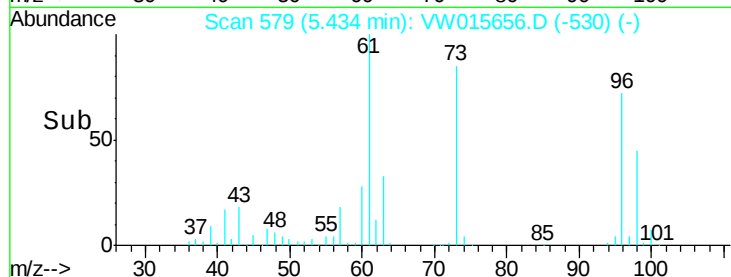
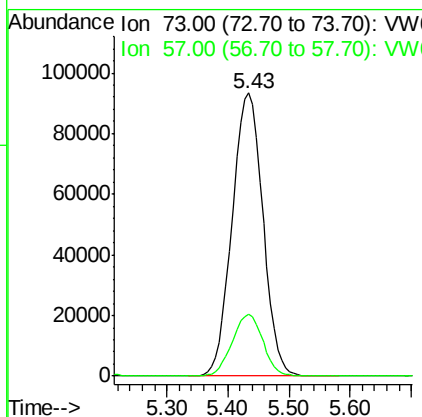
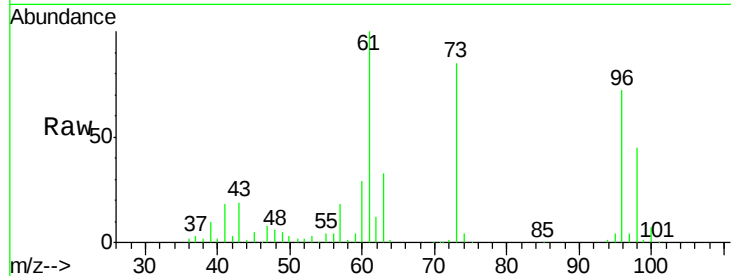
#19
Methvl tert-butvl Ether
Concen: 95.214 ug/l
RT: 5.43 min Scan# 579
Delta R.T. 0.00 min
Lab File: VW015656.D
Acq: 23 Jun 2020 12:27

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion: 73 Resp: 324926
Ion Ratio Lower Upper
73 100
57 21.7 18.1 27.1

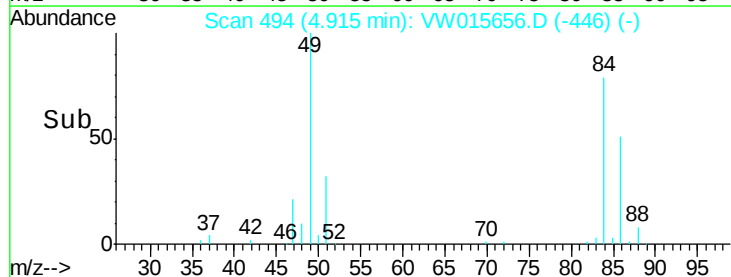
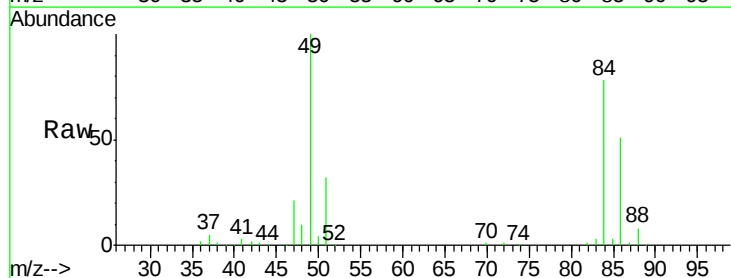
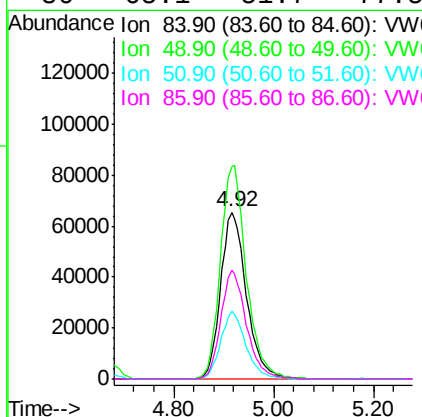
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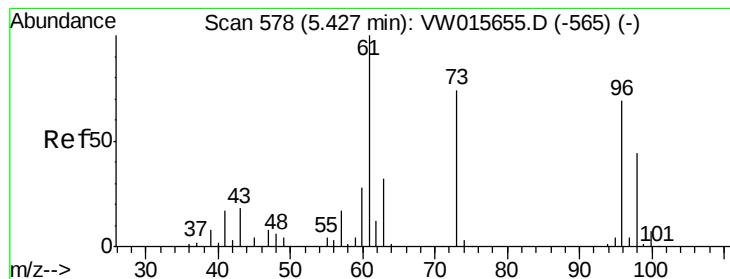
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#20
Methylene Chloride
Concen: 91.740 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW015656.D
Acq: 23 Jun 2020 12:27

Tgt Ion: 84 Resp: 235581
Ion Ratio Lower Upper
84 100
49 128.0 99.3 148.9
51 40.6 31.8 47.6
86 65.1 51.7 77.5





#21

trans-1,2-Dichloroethene

Concen: 100.177 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.01 min

Lab File: VW015656.D

Acq: 23 Jun 2020 12:27

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion: 96 Resp: 254429

Ion Ratio Lower Upper

96 100

61 139.1 116.2 174.2

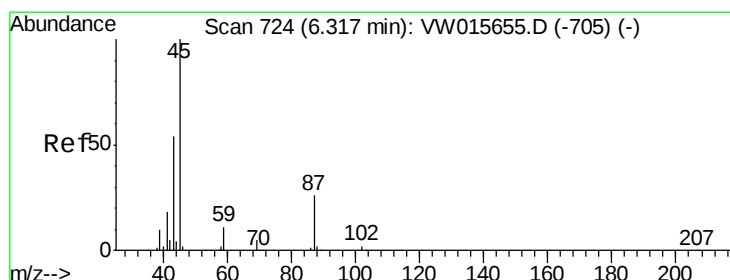
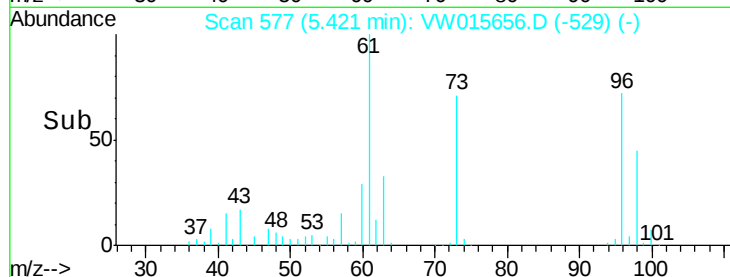
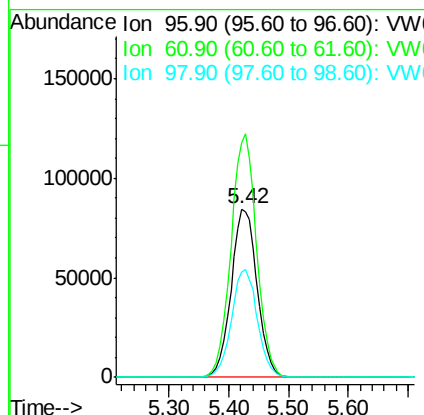
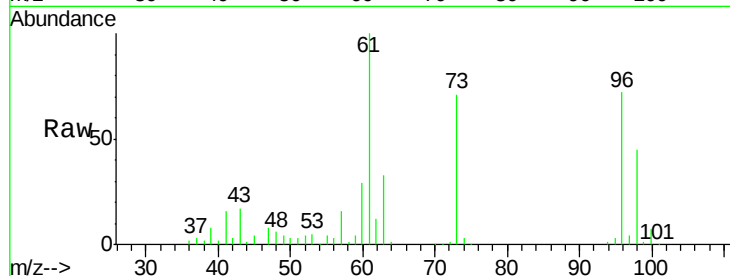
98 62.4 51.4 77.0

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#22

Diisopropyl ether

Concen: 99.776 ug/l

RT: 6.32 min Scan# 724

Delta R.T. 0.00 min

Lab File: VW015656.D

Acq: 23 Jun 2020 12:27

Tgt Ion: 45 Resp: 717265

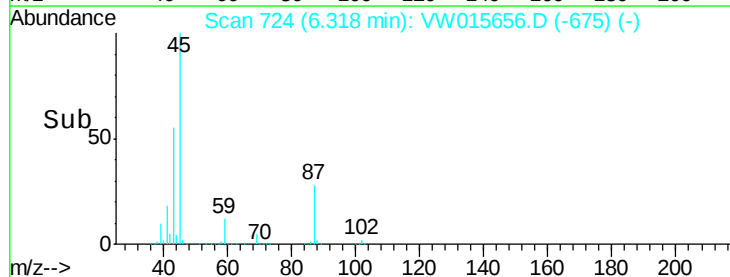
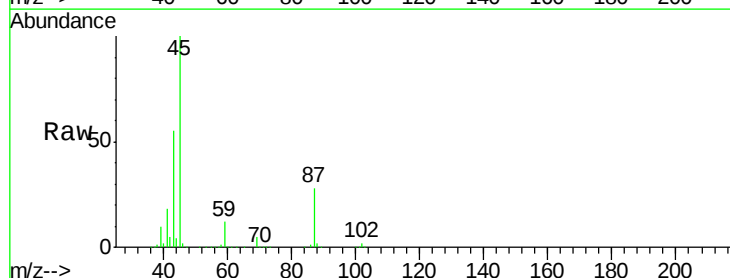
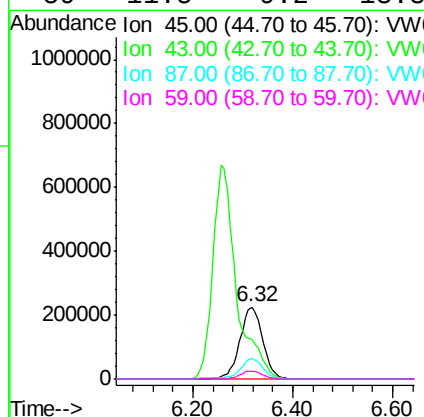
Ion Ratio Lower Upper

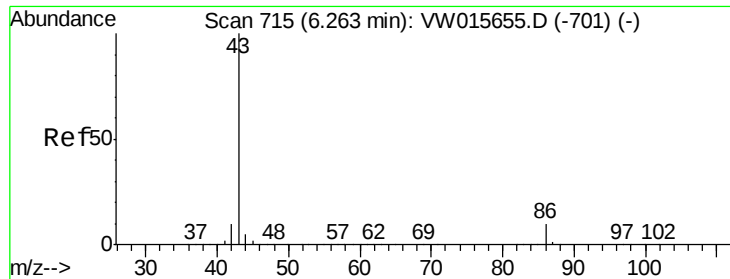
45 100

43 54.7 43.9 65.9

87 27.6 21.2 31.8

59 11.5 9.2 13.8





#23

Vinyl Acetate

Concen: 521.424 ug/l

RT: 6.26 min Scan# 714

Delta R.T. -0.01 min

Lab File: VW015656.D

Acq: 23 Jun 2020 12:27

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 2198652

Ion Ratio Lower Upper

43 100

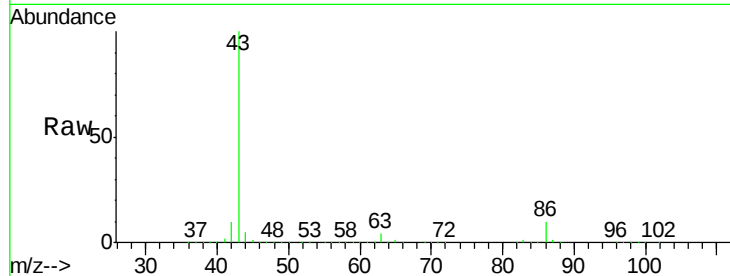
86 10.3 8.3 12.5

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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

6.26

800000

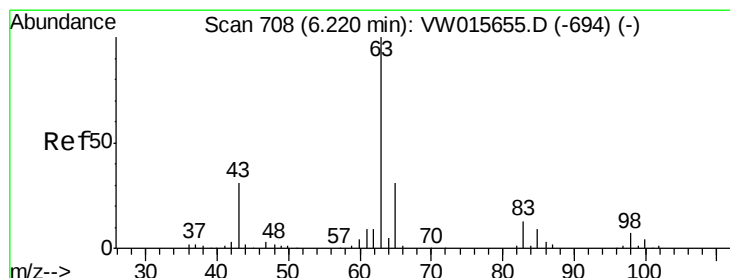
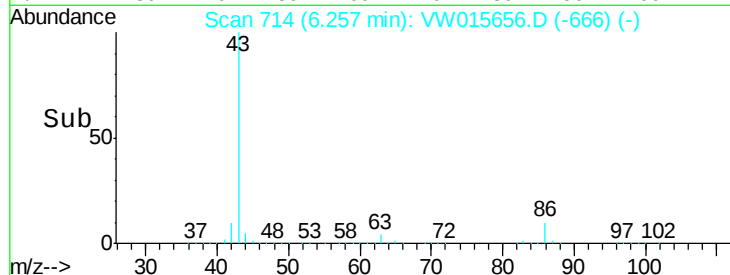
600000

400000

200000

0

Time-->



#24

1,1-Dichloroethane

Concen: 97.858 ug/l

RT: 6.22 min Scan# 708

Delta R.T. 0.00 min

Lab File: VW015656.D

Acq: 23 Jun 2020 12:27

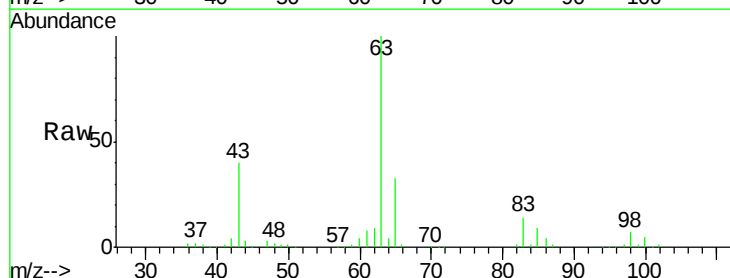
Tgt Ion: 63 Resp: 443583

Ion Ratio Lower Upper

63 100

98 7.4 3.5 10.5

100 4.6 2.1 6.3



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW

200000

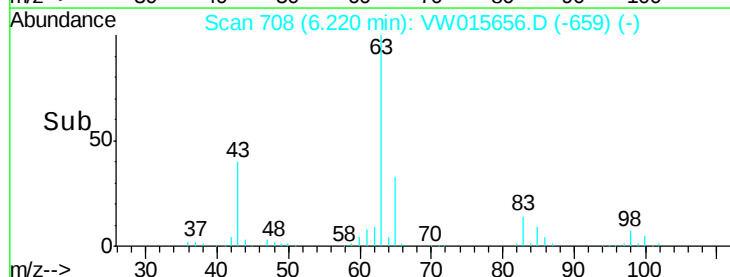
150000

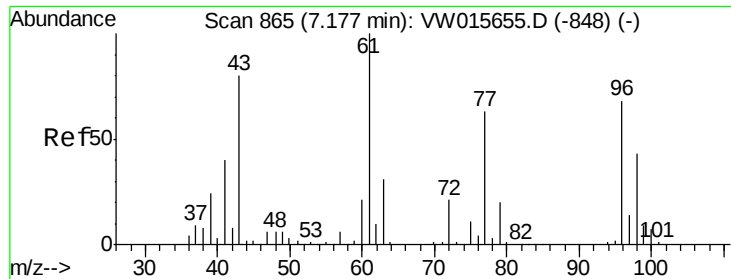
100000

50000

0

Time-->





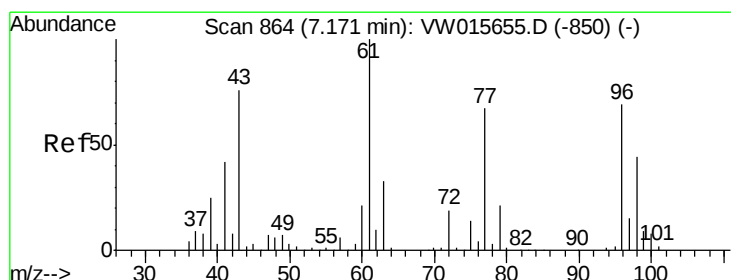
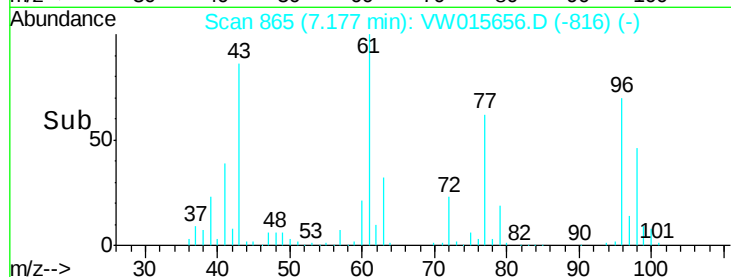
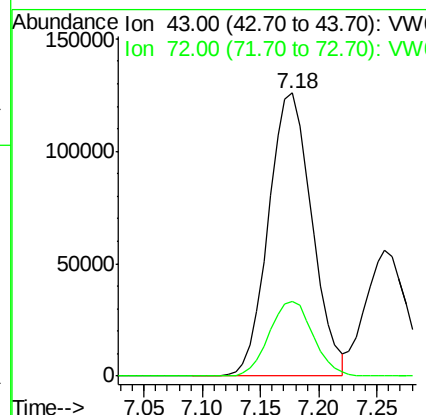
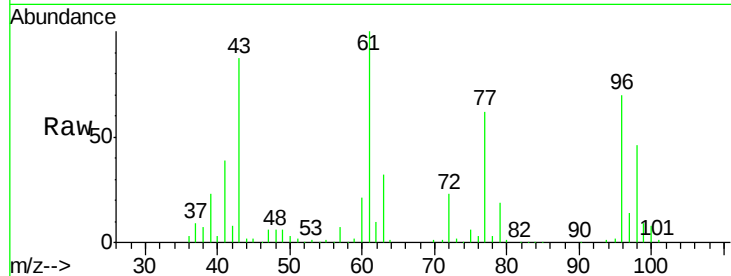
#25
2-Butanone
Concen: 508.314 ug/l
RT: 7.18 min Scan# 865
Delta R.T. 0.00 min
Lab File: VW015656.D
Acq: 23 Jun 2020 12:27

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 324246
Ion Ratio Lower Upper
43 100
72 26.6 21.1 31.7

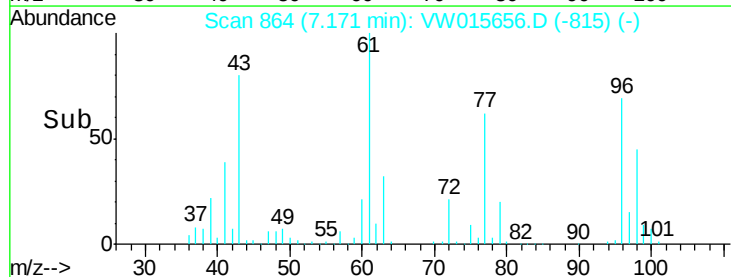
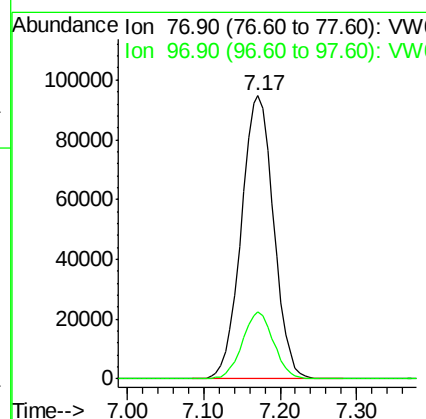
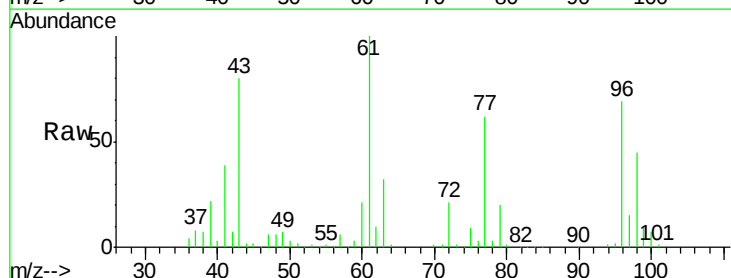
Manual Integrations
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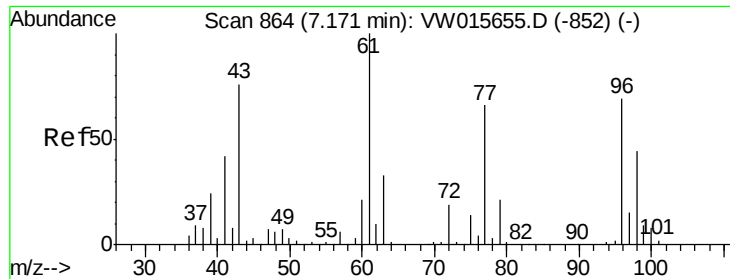
MMDadoda
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#26
2,2-Dichloropropane
Concen: 87.181 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.00 min
Lab File: VW015656.D
Acq: 23 Jun 2020 12:27

Tgt Ion: 77 Resp: 277296
Ion Ratio Lower Upper
77 100
97 22.7 11.2 33.5





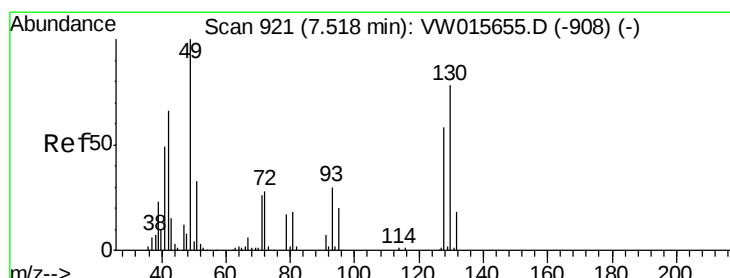
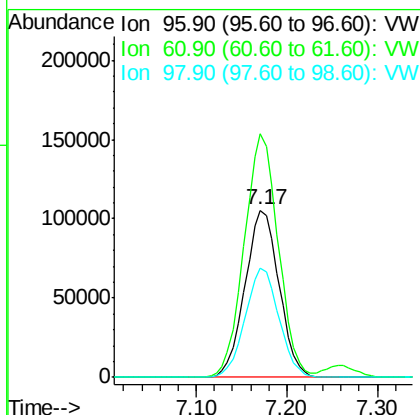
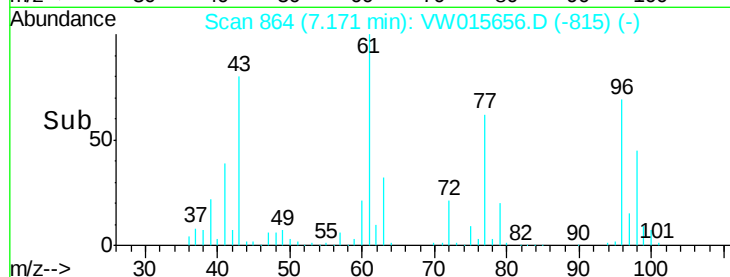
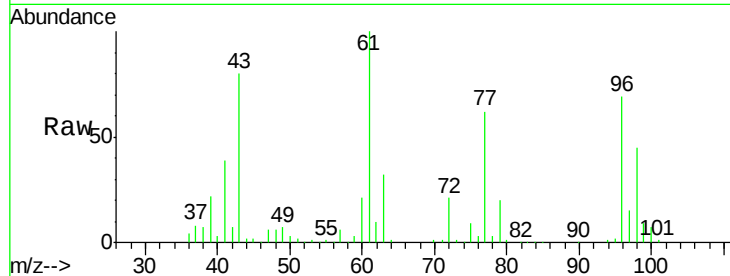
#27
 cis-1,2-Dichloroethene
 Concen: 99.274 ug/l
 RT: 7.17 min Scan# 864
 Delta R.T. 0.00 min
 Lab File: VW015656.D
 Acq: 23 Jun 2020 12:27

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
96	100	274191		
61	145.7	0.0	296.8	
98	64.7	0.0	128.0	

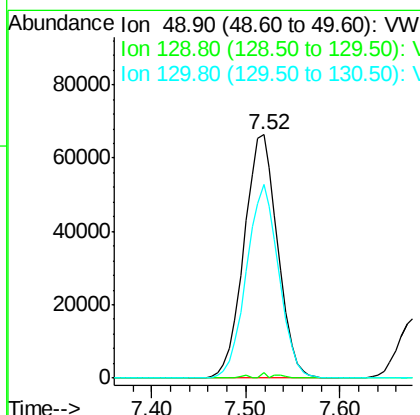
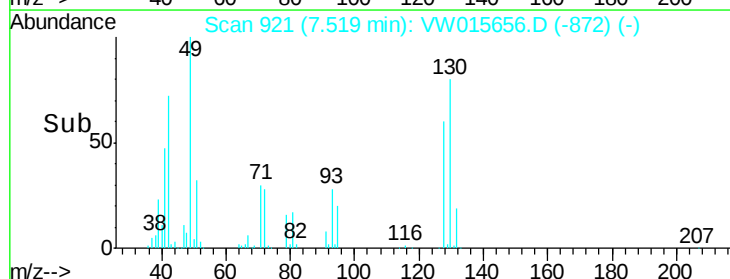
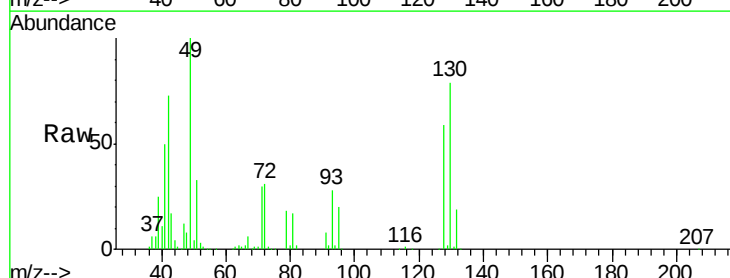
Manual Integrations
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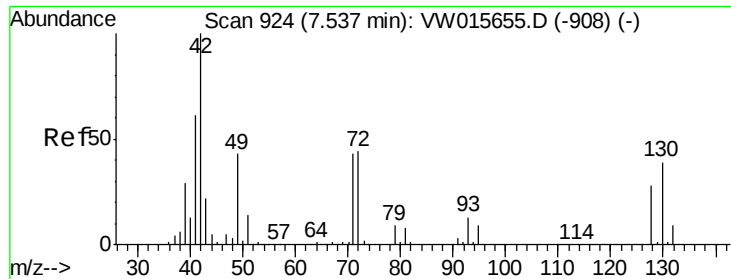
MMDadoda
 6/24/2020 10:58:16 AM



#28
 Bromochloromethane
 Concen: 97.669 ug/l
 RT: 7.52 min Scan# 921
 Delta R.T. 0.00 min
 Lab File: VW015656.D
 Acq: 23 Jun 2020 12:27

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	165968		
129	0.3	0.0	2.2	
130	76.6	61.0	91.4	





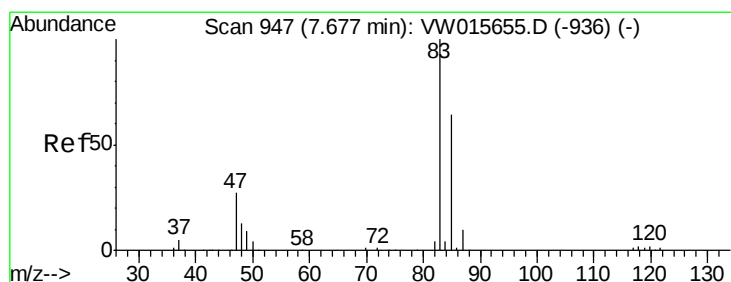
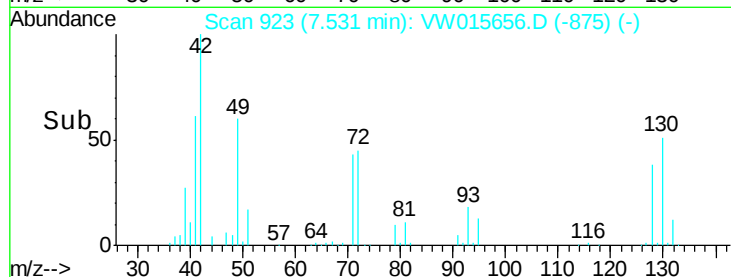
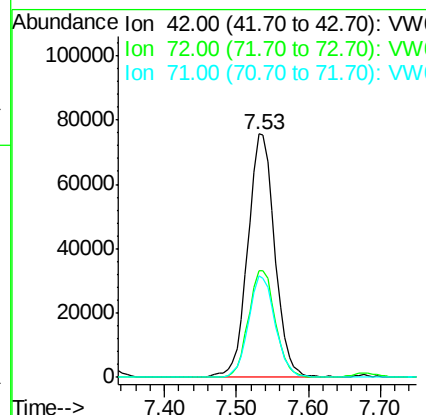
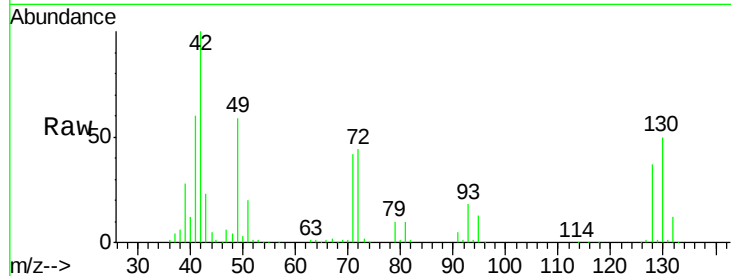
#29
Tetrahydrofuran
Concen: 515.099 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.01 min
Lab File: VW015656.D
Acq: 23 Jun 2020 12:27

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.7	35.0	52.6
71	41.1	32.6	49.0

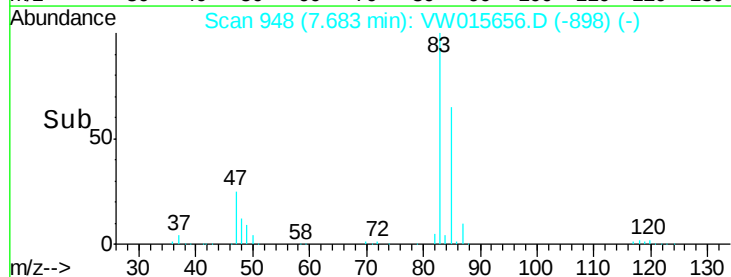
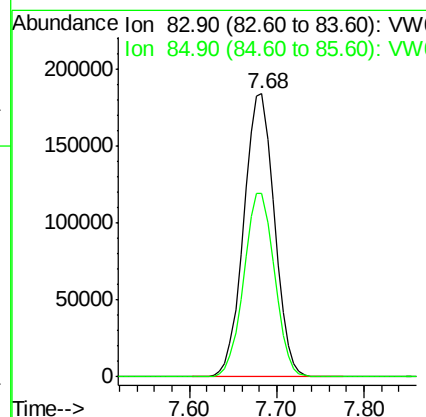
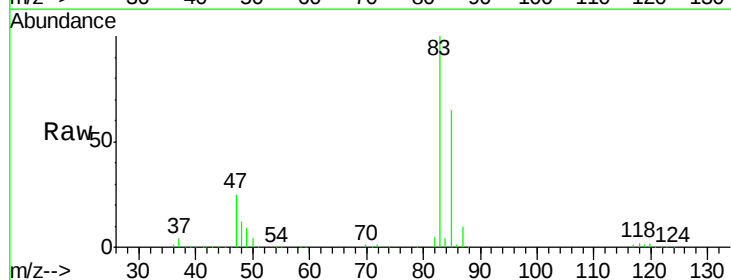
Manual Integrations
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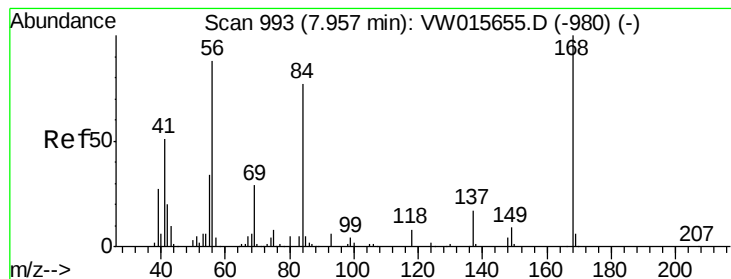
MMDadoda
6/24/2020 10:58:16 AM



#30
Chloroform
Concen: 98.226 ug/l
RT: 7.68 min Scan# 948
Delta R.T. 0.01 min
Lab File: VW015656.D
Acq: 23 Jun 2020 12:27

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.0	51.0	76.4





#31

Cyclohexane

Concen: 91.970 ug/l

RT: 7.96 min Scan# 993

Delta R.T. 0.00 min

Lab File: VW015656.D

Acq: 23 Jun 2020 12:27

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion: 56 Resp: 411305

Ion Ratio Lower Upper

56 100

69 33.2 26.2 39.4

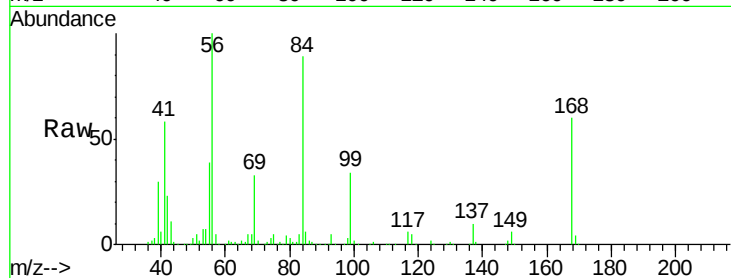
84 87.7 70.4 105.6

Manual Integrations

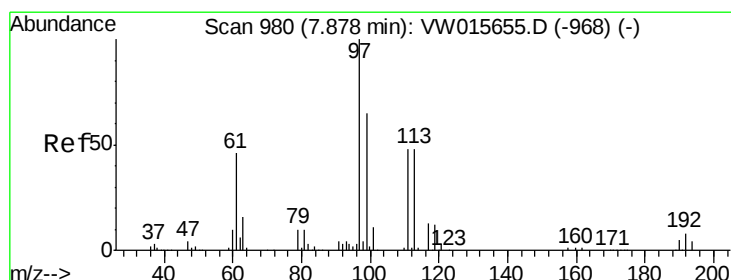
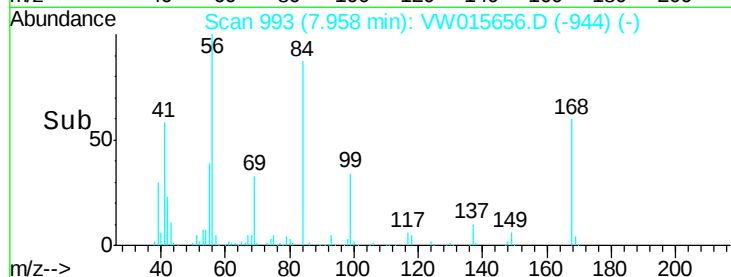
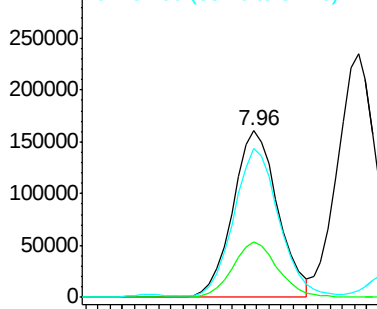
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6/24/2020 10:58:16 AM



Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW



#32

1,1,1-Trichloroethane

Concen: 98.099 ug/l

RT: 7.88 min Scan# 980

Delta R.T. 0.00 min

Lab File: VW015656.D

Acq: 23 Jun 2020 12:27

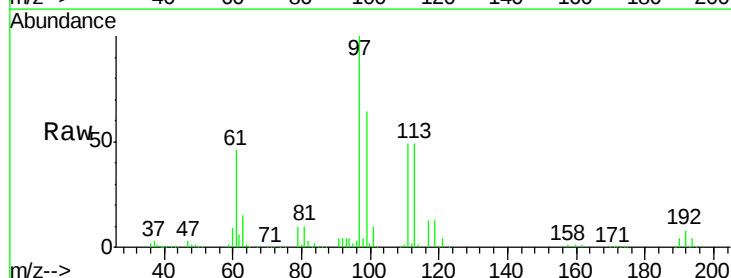
Tgt Ion: 97 Resp: 389203

Ion Ratio Lower Upper

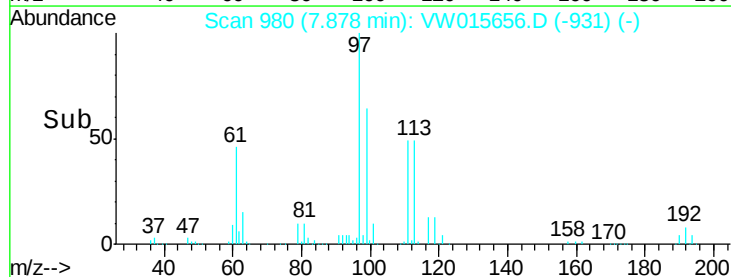
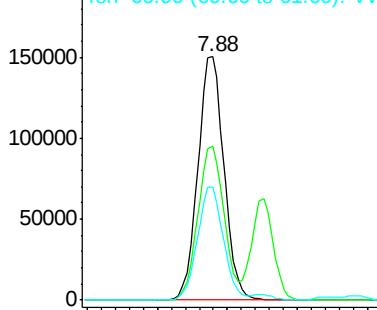
97 100

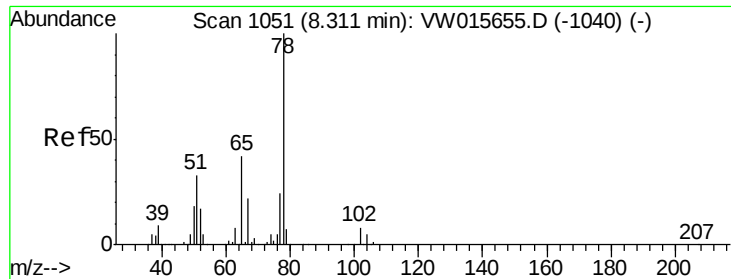
99 63.2 51.9 77.9

61 46.1 37.3 55.9



Abundance Ion 96.90 (96.60 to 97.60): VW
Ion 98.90 (98.60 to 99.60): VW
Ion 60.90 (60.60 to 61.60): VW





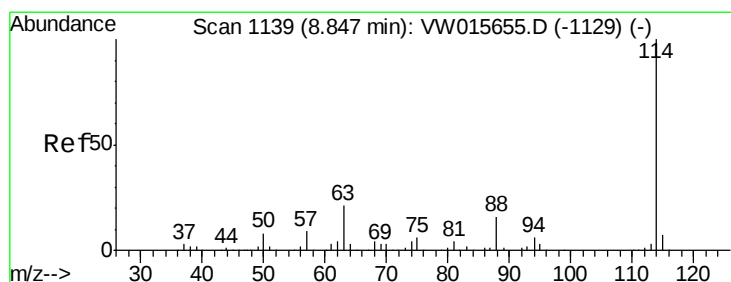
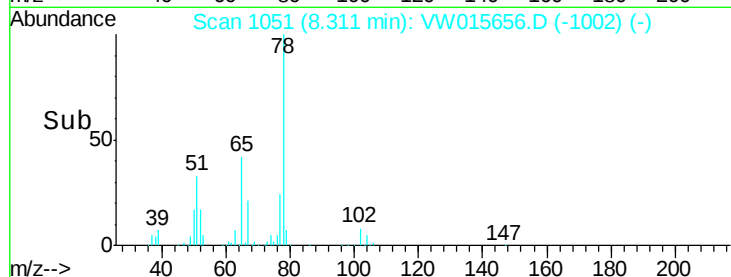
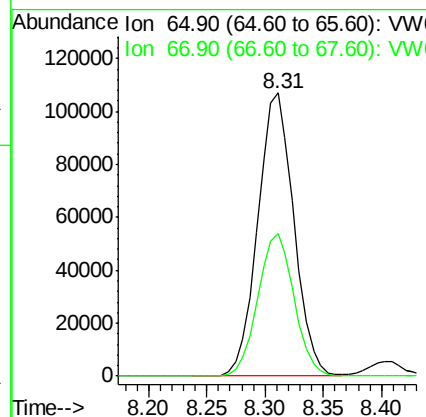
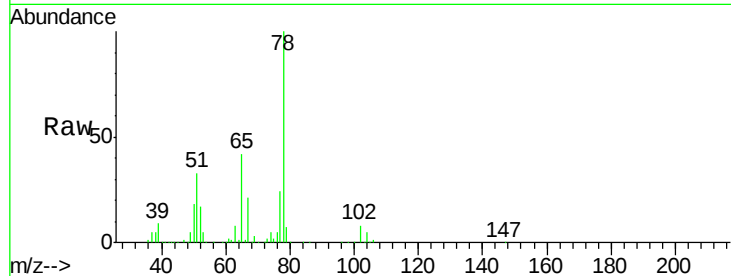
#33
 1,2-Dichloroethane-d4
 Concen: 94.206 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. 0.00 min
 Lab File: VW015656.D
 Acq: 23 Jun 2020 12:27

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
65	100	230863		
67	50.6	0.0	102.2	

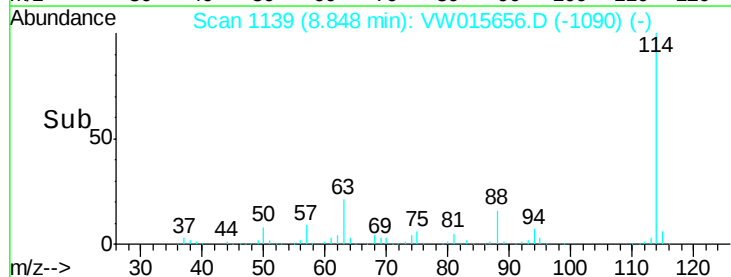
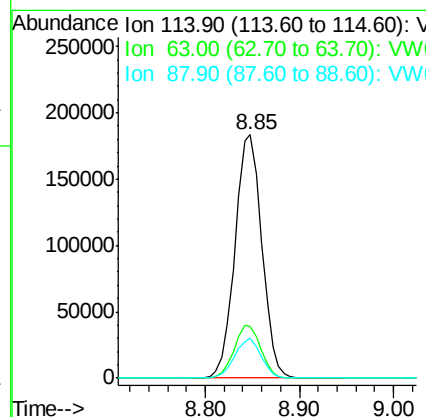
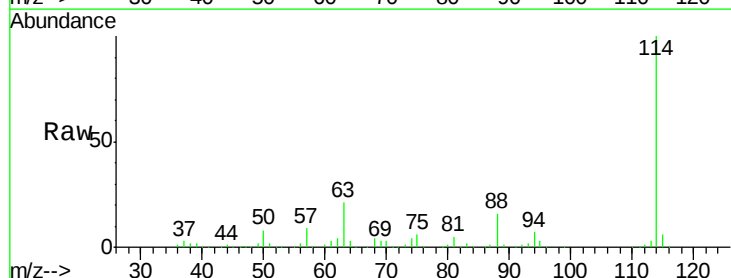
Manual Integrations
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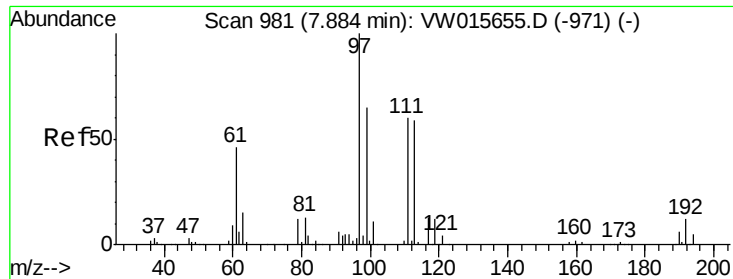
MMDadoda
 6/24/2020 10:58:16 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. 0.00 min
 Lab File: VW015656.D
 Acq: 23 Jun 2020 12:27

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	362186		
63	21.3	0.0	42.4	
88	16.3	0.0	32.6	





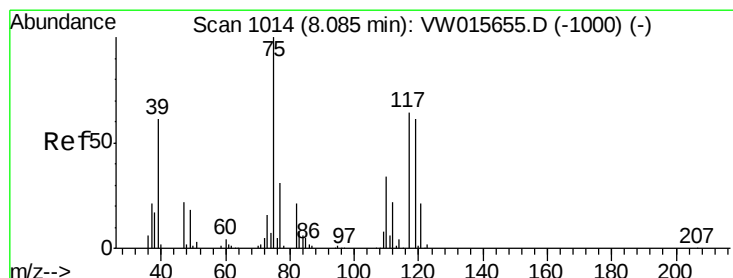
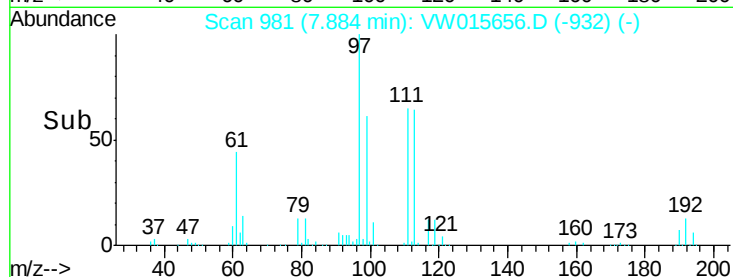
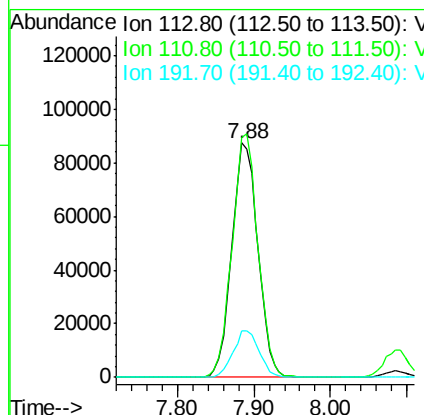
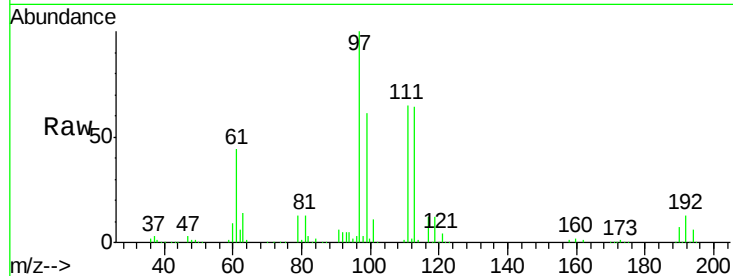
#35
Dibromofluoromethane
Concen: 96.255 ug/l
RT: 7.88 min Scan# 981
Delta R.T. 0.00 min
Lab File: VW015656.D
Acq: 23 Jun 2020 12:27

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
113	100	206595		
111	102.6	82.3	123.5	
192	19.9	16.4	24.6	

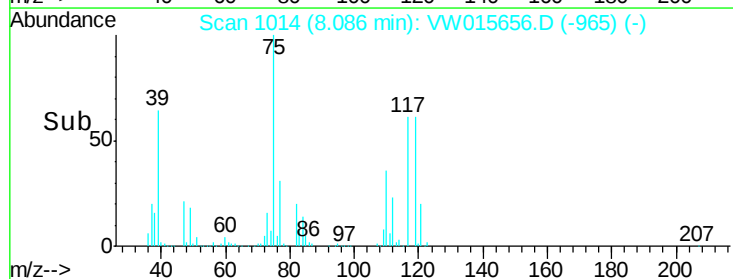
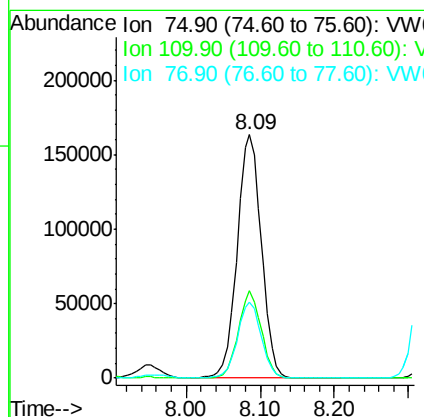
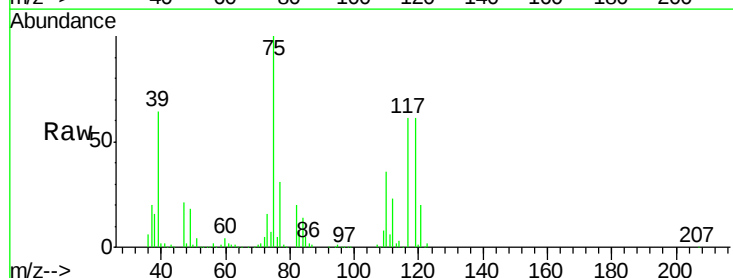
Manual Integrations
APPROVED

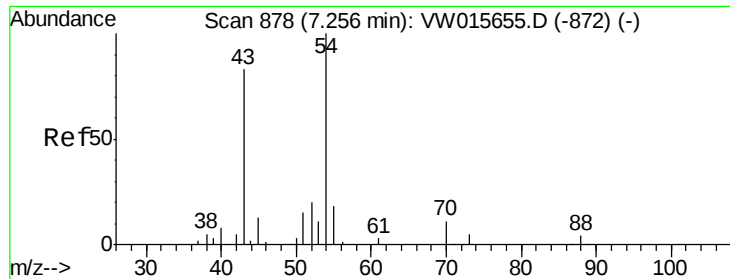
MMDadoda
6/24/2020 10:58:16 AM



#36
1,1-Dichloropropene
Concen: 99.952 ug/l
RT: 8.09 min Scan# 1014
Delta R.T. 0.00 min
Lab File: VW015656.D
Acq: 23 Jun 2020 12:27

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	370637		
110	34.1	17.0	51.0	
77	31.0	24.6	36.8	





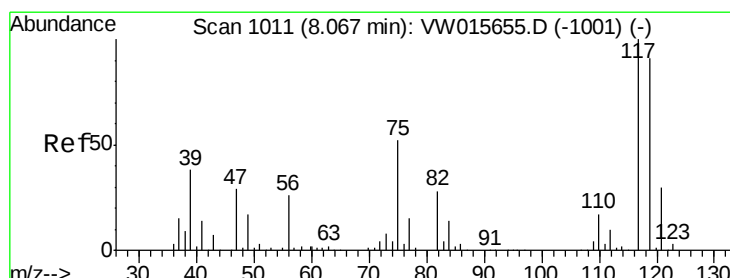
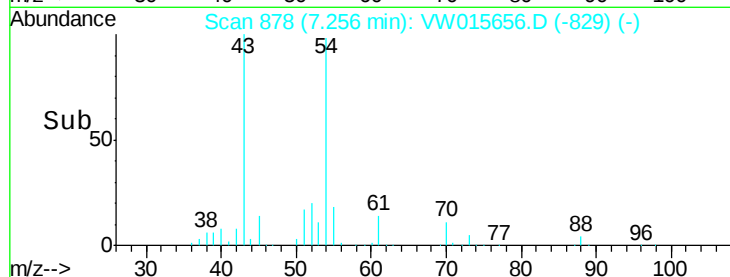
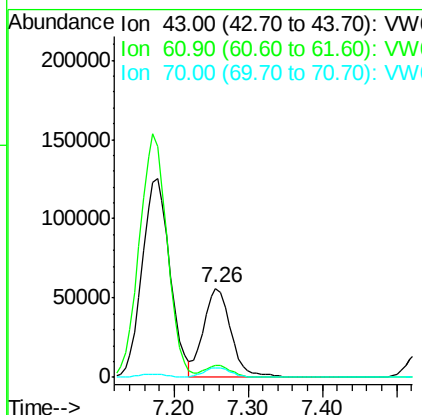
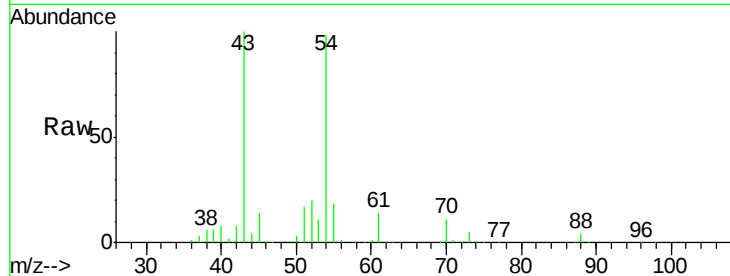
#37
Ethyl Acetate
Concen: 101.806 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.00 min
Lab File: VW015656.D
Acq: 23 Jun 2020 12:27

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.8	10.4	15.6
70	10.6	8.4	12.6

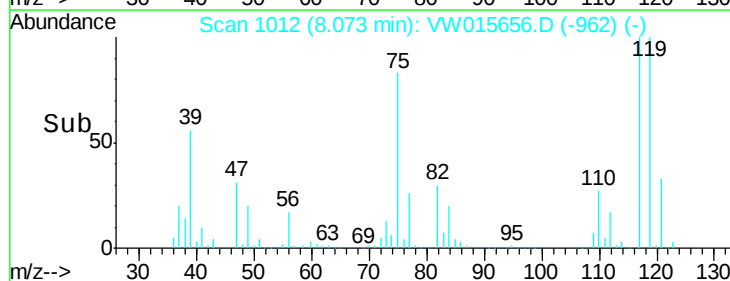
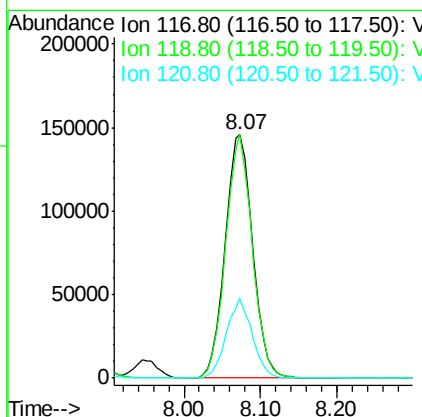
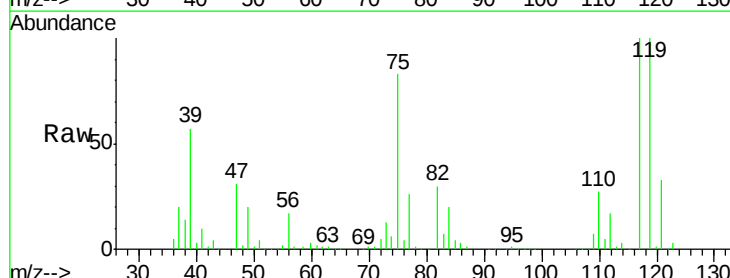
Manual Integrations
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6/24/2020 10:58:16 AM



#38
Carbon Tetrachloride
Concen: 100.499 ug/l
RT: 8.07 min Scan# 1012
Delta R.T. 0.01 min
Lab File: VW015656.D
Acq: 23 Jun 2020 12:27

Tgt Ion	Ratio	Lower	Upper
117	100		
119	100.1	73.2	109.8
121	32.8	23.9	35.9





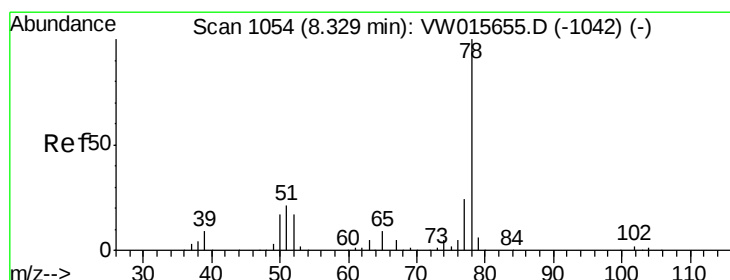
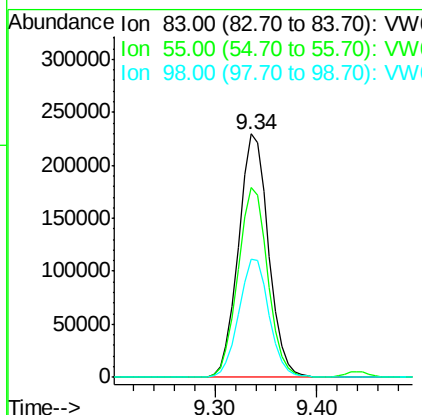
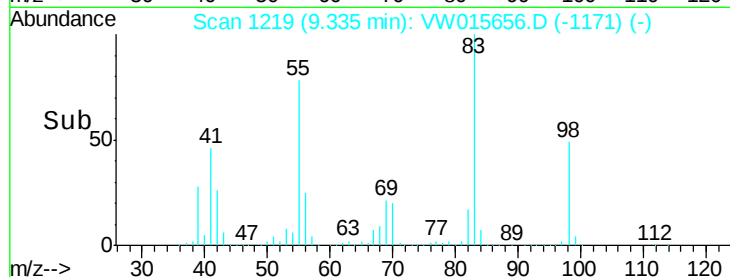
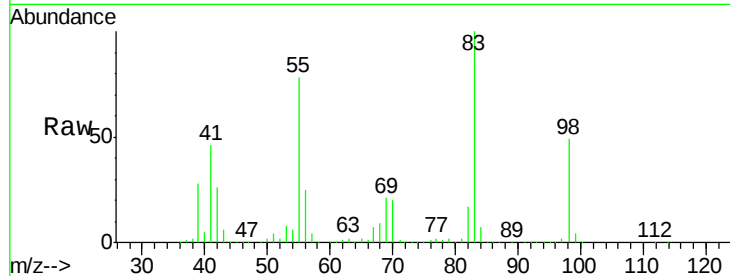
#39
Methvlcvclohexane
Concen: 102.575 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.01 min
Lab File: VW015656.D
Acq: 23 Jun 2020 12:27

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	83	Resp	468788
Ion Ratio	100	Lower	Upper
83	100		
55	78.0	62.8	94.2
98	48.6	39.9	59.9

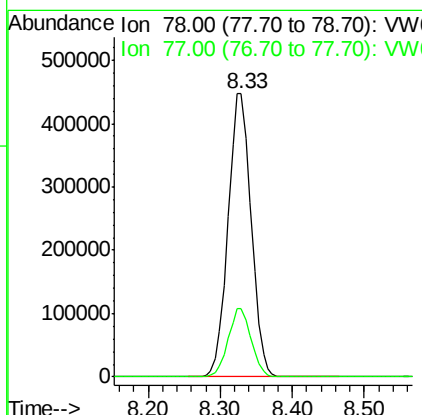
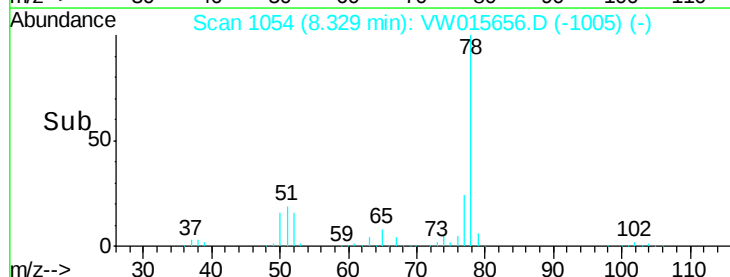
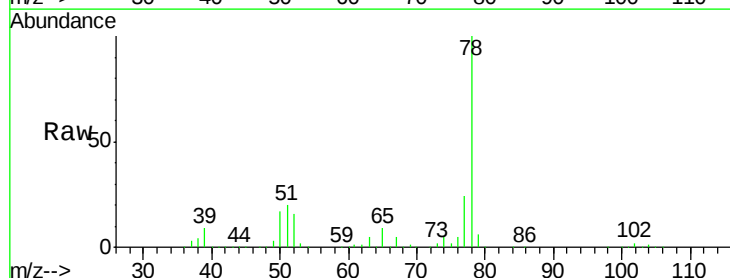
Manual Integrations
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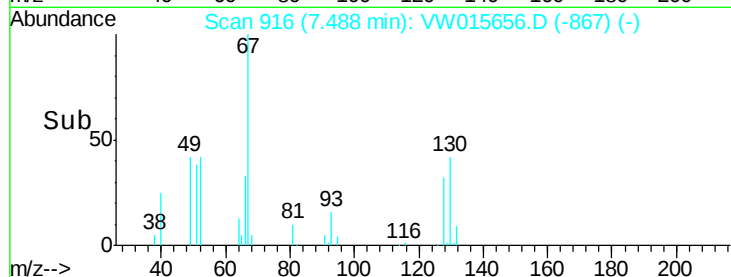
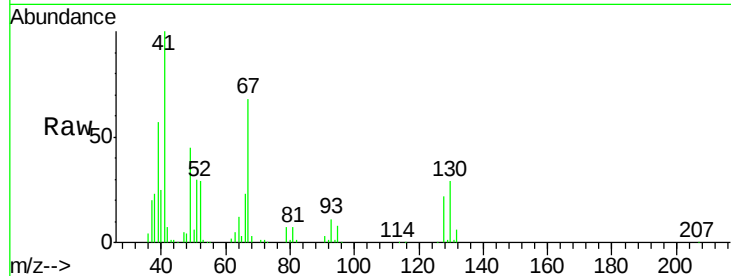
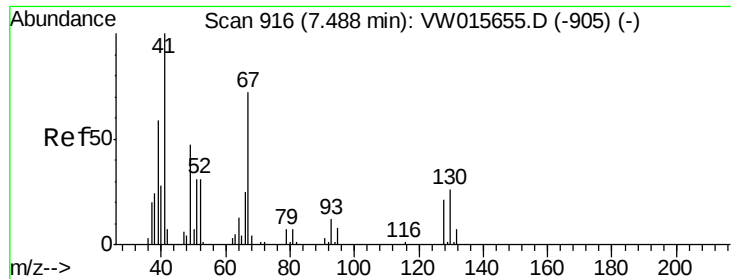
MMDadoda
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#40
Benzene
Concen: 100.296 ug/l
RT: 8.33 min Scan# 1054
Delta R.T. 0.00 min
Lab File: VW015656.D
Acq: 23 Jun 2020 12:27

Tgt Ion	78	Resp	1000124
Ion Ratio	100	Lower	Upper
78	100		
77	24.4	19.3	28.9





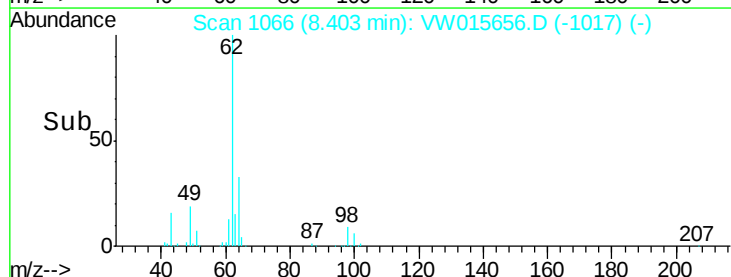
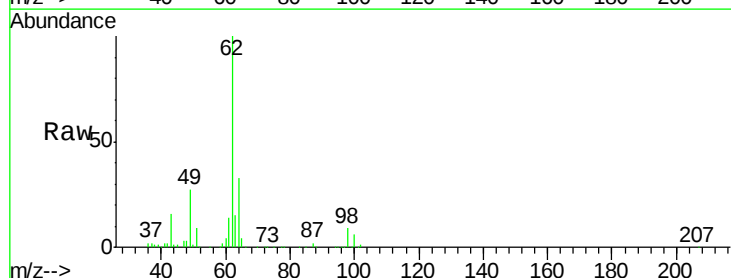
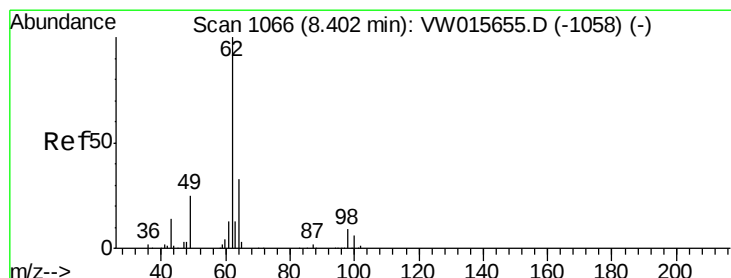
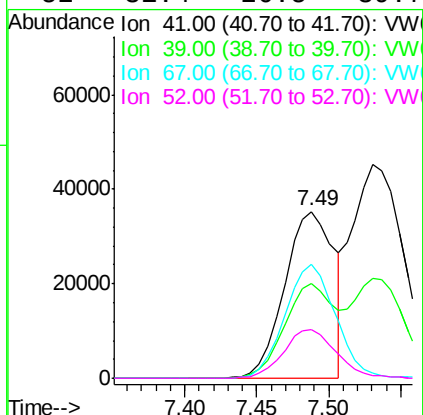
#41
Methacrylonitrile
Concen: 106.792 ug/l
RT: 7.49 min Scan# 916
Delta R.T. 0.00 min
Lab File: VW015656.D
Acq: 23 Jun 2020 12:27

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	41	100	84495		
39	39	56.2		52.0	78.0
67	67	69.9		57.5	86.3
52	52	31.4		26.5	39.7

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

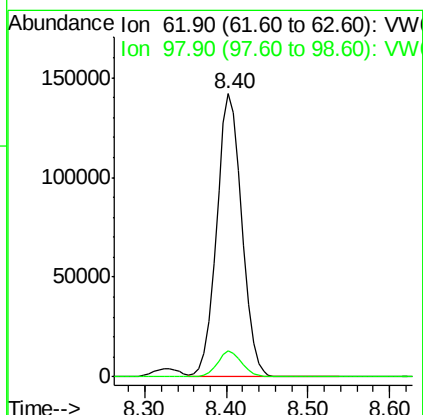
Manual Integrations
APPROVED

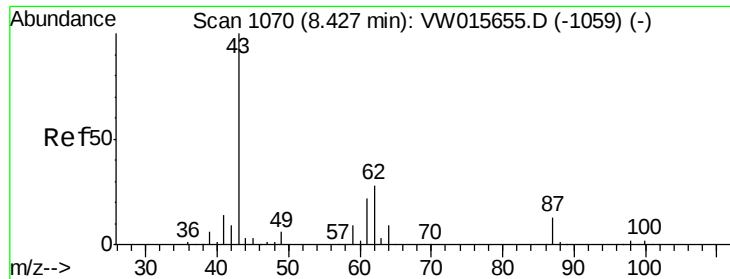
MMDadoda
6/24/2020 10:58:16 AM



#42
1,2-Dichloroethane
Concen: 100.663 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW015656.D
Acq: 23 Jun 2020 12:27

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	62	100	304738		
98	98	8.8		0.0	17.4





#43

Isopropyl Acetate

Concen: 103.449 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.00 min

Lab File: VW015656.D

Acq: 23 Jun 2020 12:27

Instrument :

MSVOA_W

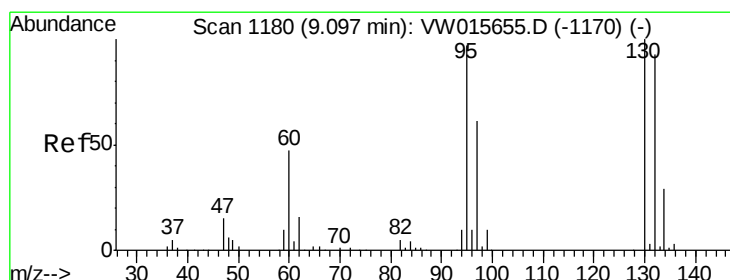
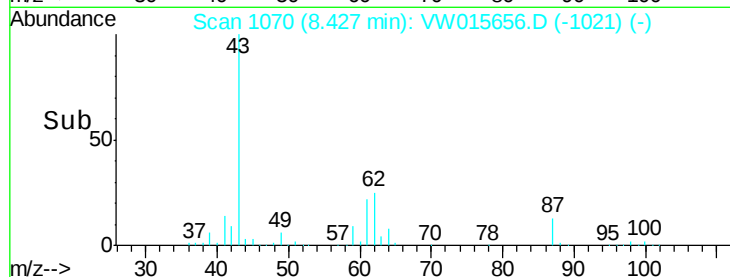
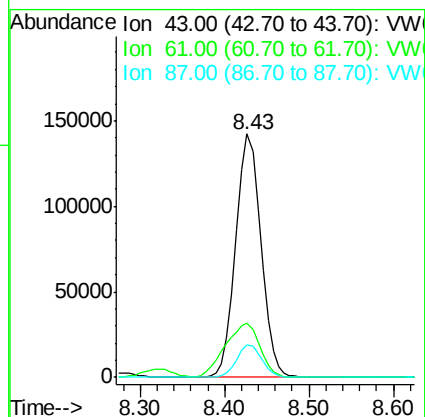
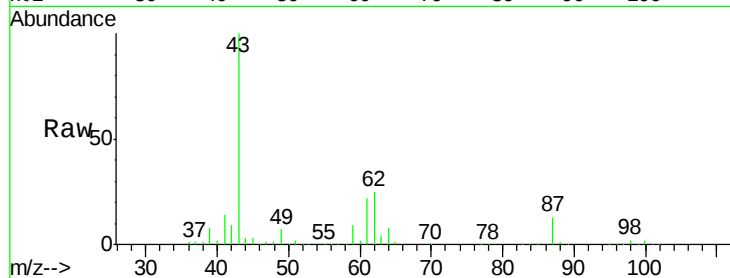
ClientSampleId :

VSTDIC100

Tot Ion:	43	Resp:	286824
Ion	Ratio	Lower	Upper
43	100		
61	30.8	24.7	37.1
87	13.3	10.2	15.2

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#44

Trichloroethene

Concen: 100.870 ug/l

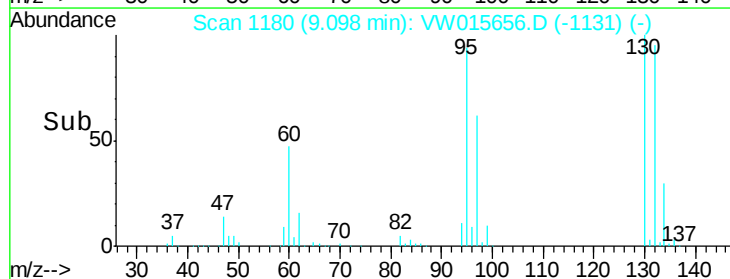
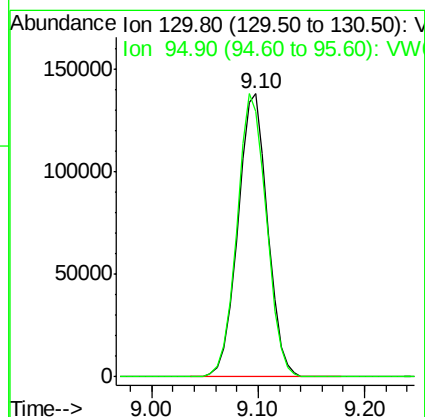
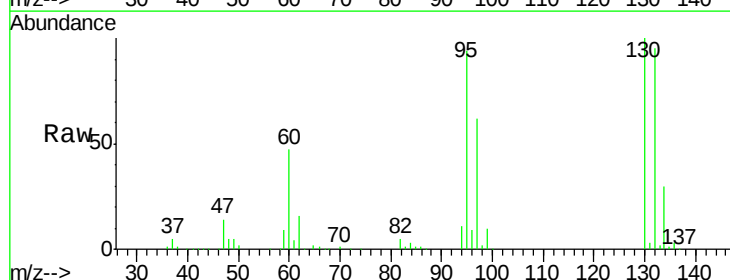
RT: 9.10 min Scan# 1180

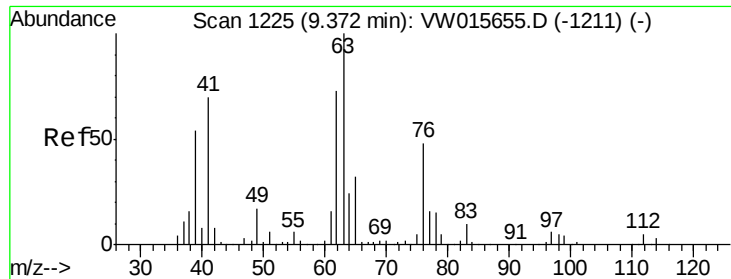
Delta R.T. 0.00 min

Lab File: VW015656.D

Acq: 23 Jun 2020 12:27

Tgt Ion:	130	Resp:	269392
Ion	Ratio	Lower	Upper
130	100		
95	94.0	0.0	194.4





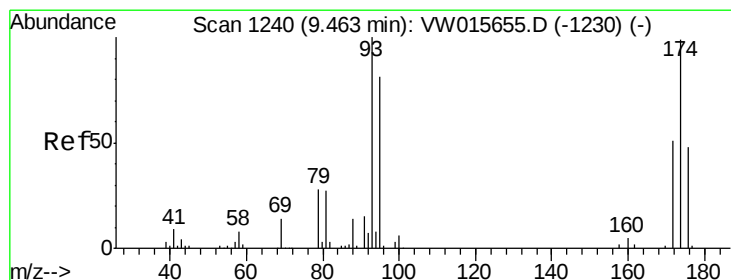
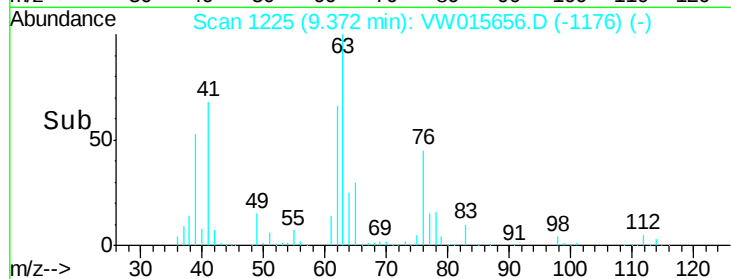
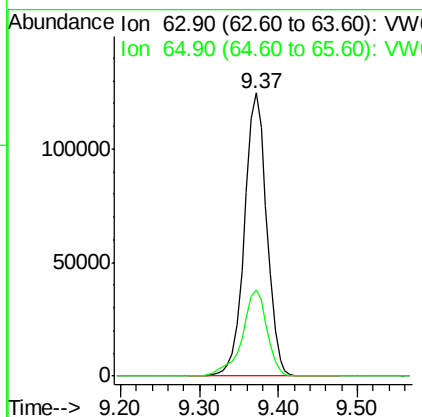
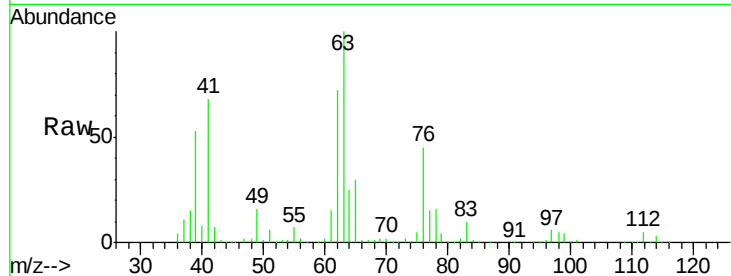
#45
 1,2-Dichloropropane
 Concen: 100.904 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW015656.D
 Acq: 23 Jun 2020 12:27

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tot Ion: 63 Resp: 244307
 Ion Ratio Lower Upper
 63 100
 65 30.4 25.3 37.9

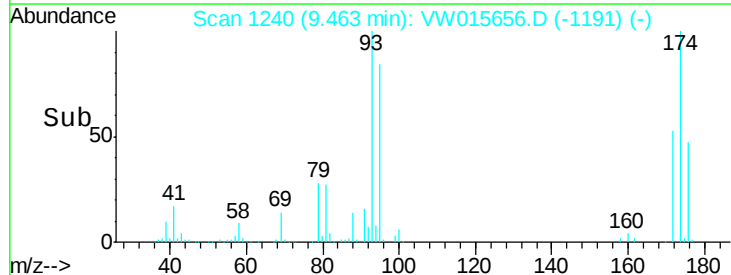
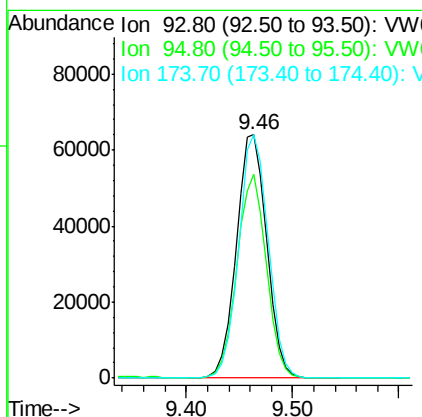
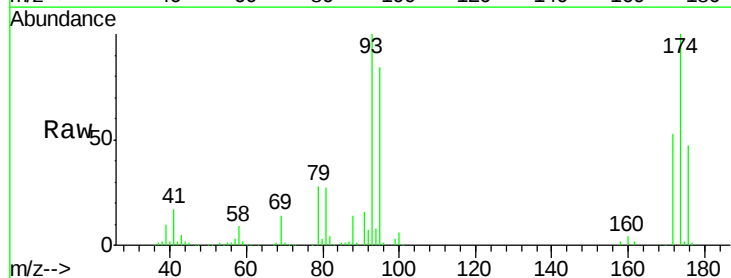
Manual Integrations
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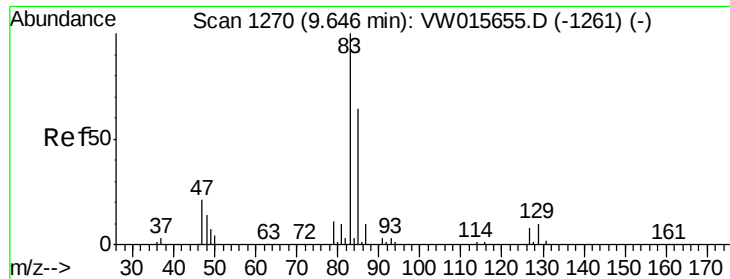
MMDadoda
 6/24/2020 10:58:16 AM



#46
 Dibromomethane
 Concen: 104.344 ug/l
 RT: 9.46 min Scan# 1240
 Delta R.T. 0.00 min
 Lab File: VW015656.D
 Acq: 23 Jun 2020 12:27

Tgt Ion: 93 Resp: 128143
 Ion Ratio Lower Upper
 93 100
 95 81.2 65.7 98.5
 174 97.7 79.0 118.6





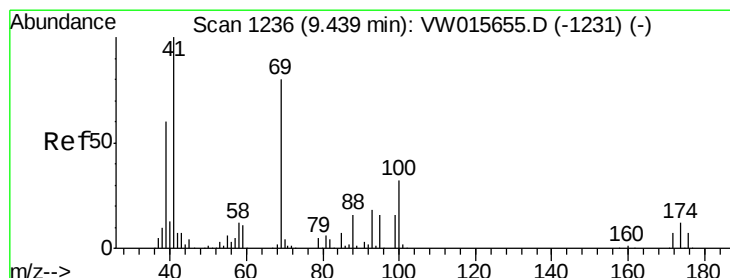
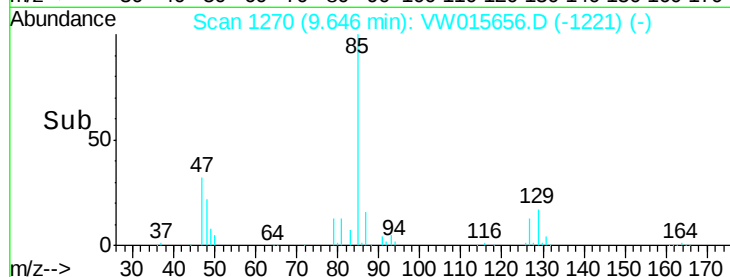
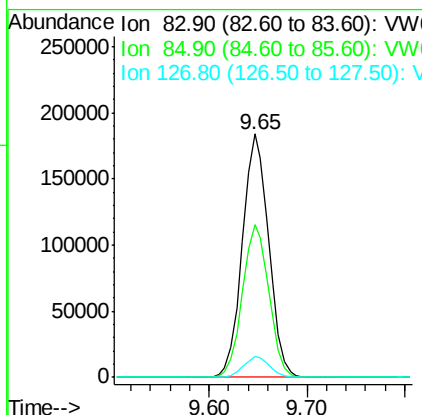
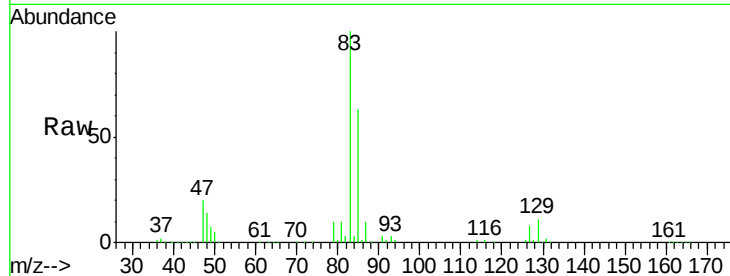
#47
Bromodichloromethane
Concen: 102.852 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. 0.00 min
Lab File: VW015656.D
Acq: 23 Jun 2020 12:27

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
83	100	342484		
85	62.9		50.8	76.2
127	8.4		6.3	9.5

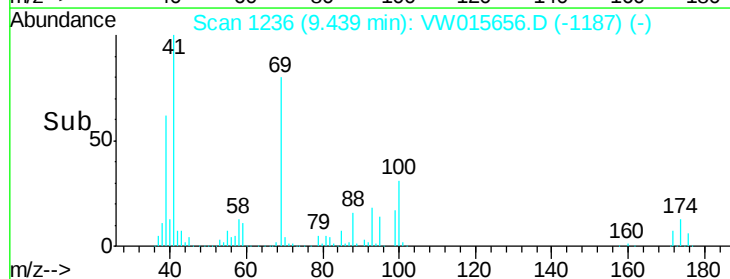
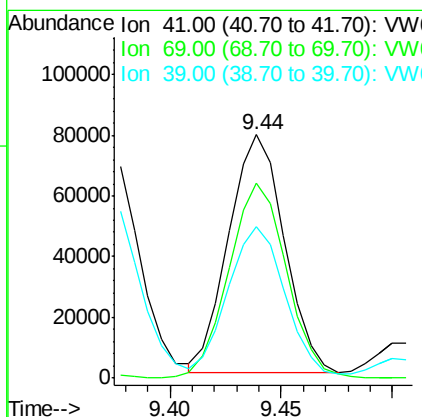
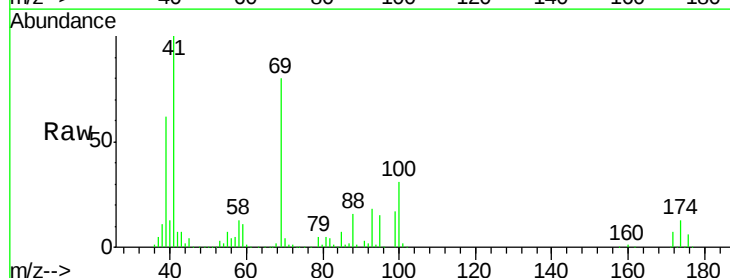
Manual Integrations
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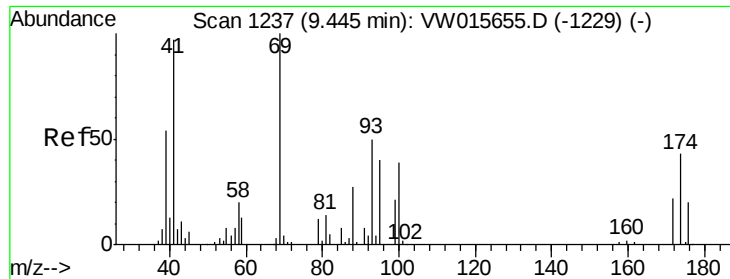
MMDadoda
6/24/2020 10:58:16 AM



#48
Methyl methacrylate
Concen: 107.003 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. 0.00 min
Lab File: VW015656.D
Acq: 23 Jun 2020 12:27

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	135985		
69	85.7		68.2	102.2
39	62.2		49.8	74.6





#49

1,4-Dioxane

Concen: 2153.937 ug/l

RT: 9.45 min Scan# 1238

Delta R.T. 0.01 min

Lab File: VW015656.D

Acq: 23 Jun 2020 12:27

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion: 88 Resp: 34838

Ion Ratio Lower Upper

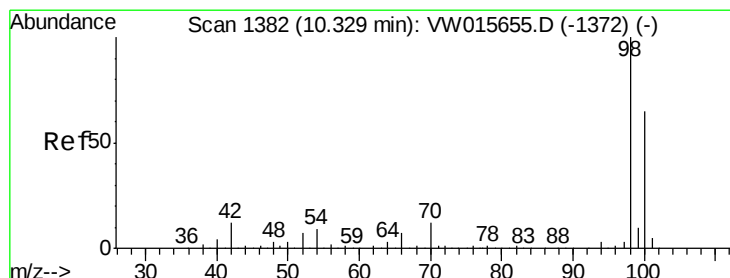
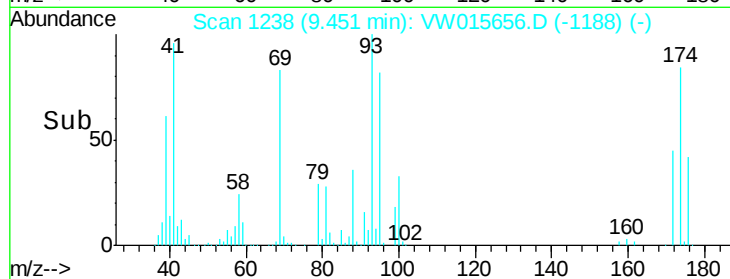
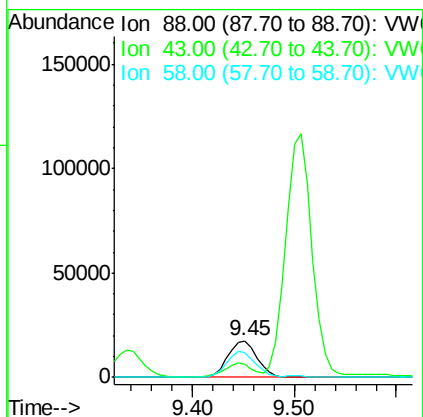
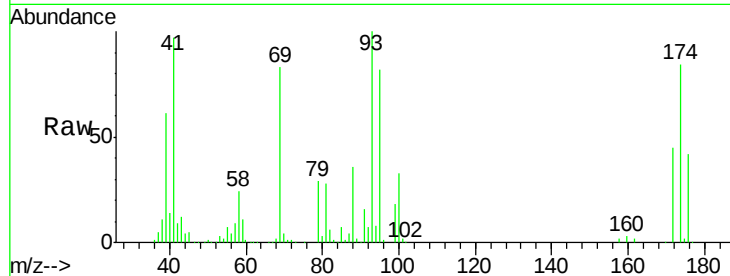
88 100

43 36.3 30.1 45.1

58 70.3 56.1 84.1

Manual Integrations
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#50

Toluene-d8

Concen: 95.696 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VW015656.D

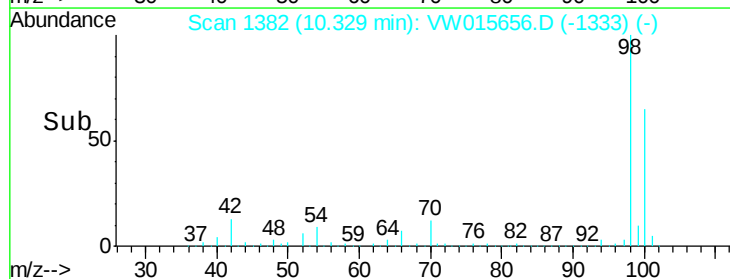
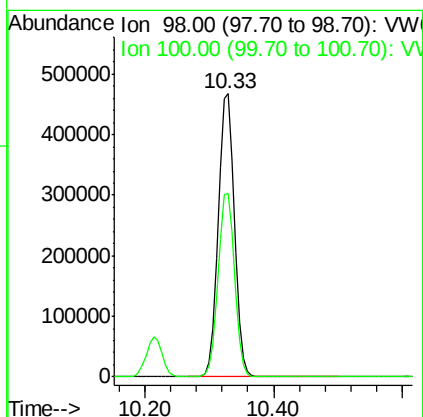
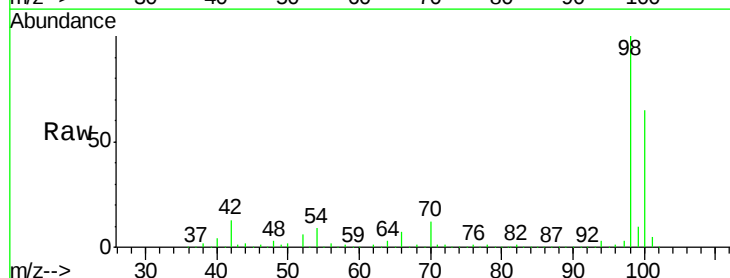
Acq: 23 Jun 2020 12:27

Tgt Ion: 98 Resp: 833232

Ion Ratio Lower Upper

98 100

100 66.0 52.8 79.2





#51

4-Methyl-2-Pentanone

Concen: 528.714 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW015656.D

Acq: 23 Jun 2020 12:27

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 696853

Ion Ratio Lower Upper

43 100

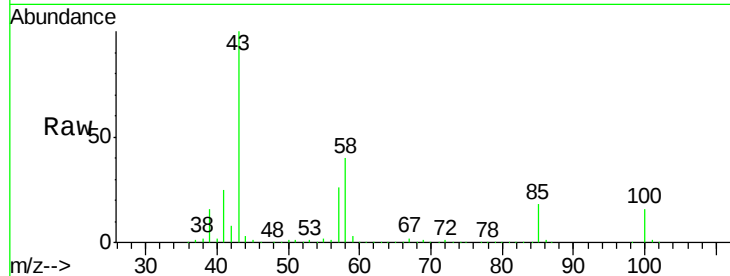
58 39.3 31.2 46.8

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

10.21

400000

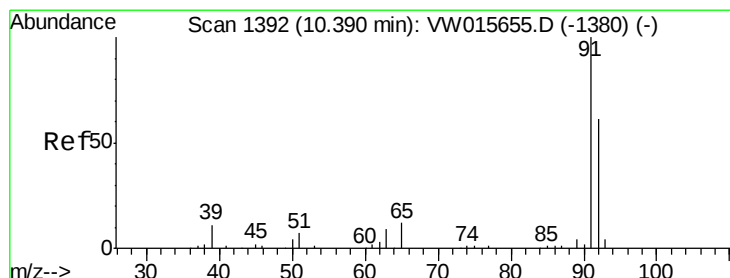
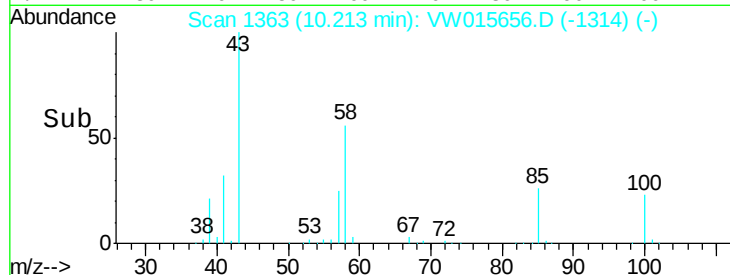
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 102.671 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW015656.D

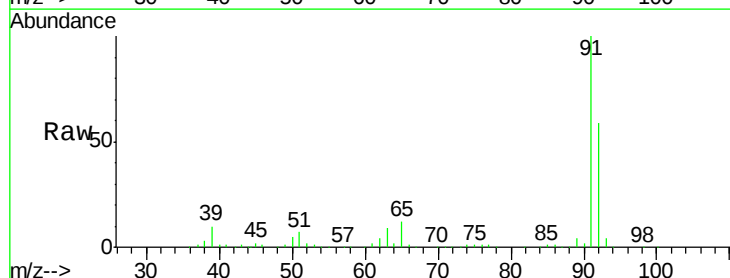
Acq: 23 Jun 2020 12:27

Tgt Ion: 92 Resp: 661046

Ion Ratio Lower Upper

92 100

91 170.5 135.5 203.3



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW

10.39

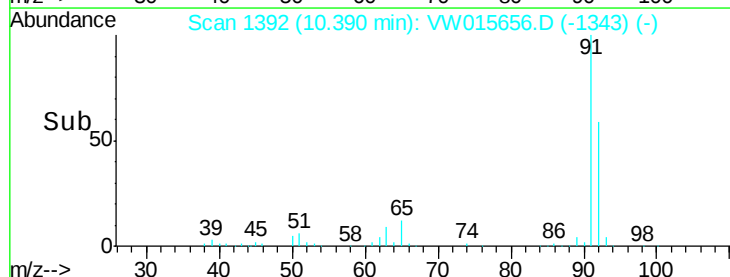
600000

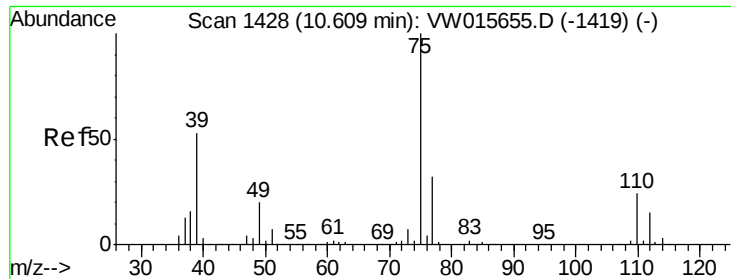
400000

200000

0

Time-->





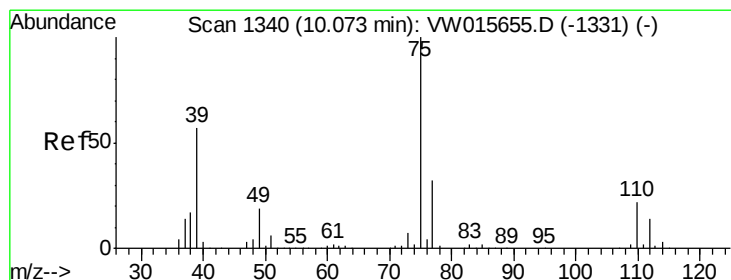
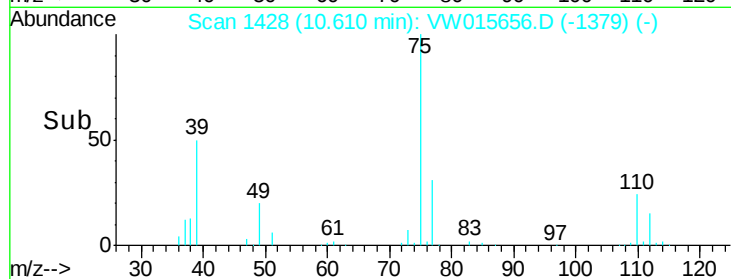
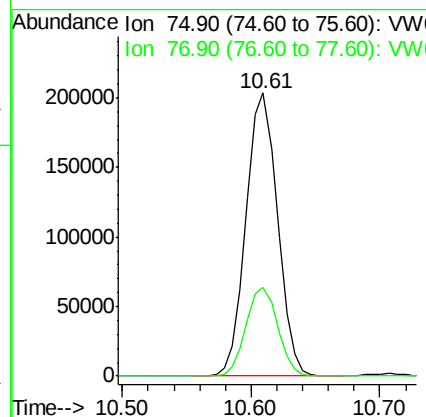
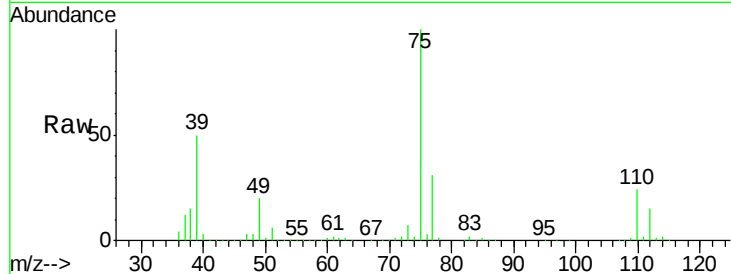
#53
 t-1,3-Dichloropropene
 Concen: 105.743 ug/l
 RT: 10.61 min Scan# 1428
 Delta R.T. 0.00 min
 Lab File: VW015656.D
 Acq: 23 Jun 2020 12:27

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tot Ion: 75 Resp: 344279
 Ion Ratio Lower Upper
 75 100
 77 31.2 25.3 37.9

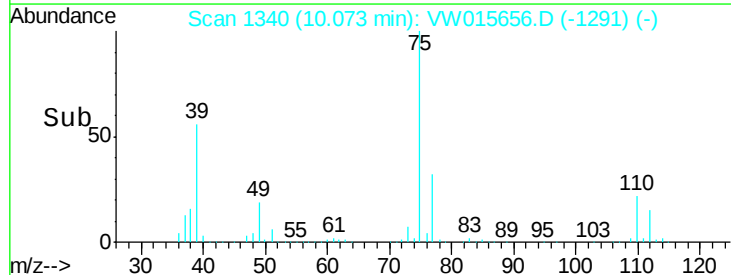
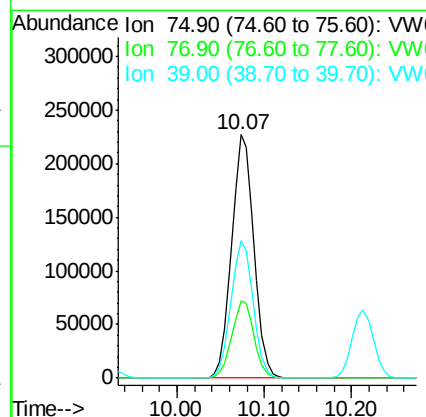
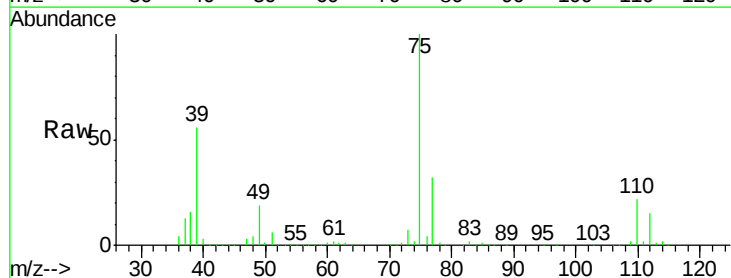
Manual Integrations
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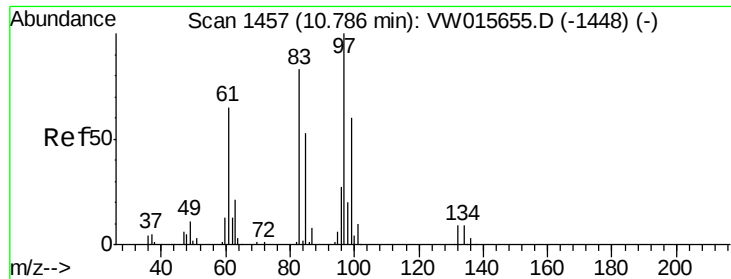
MMDadoda
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#54
 cis-1,3-Dichloropropene
 Concen: 103.823 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW015656.D
 Acq: 23 Jun 2020 12:27

Tgt Ion: 75 Resp: 401492
 Ion Ratio Lower Upper
 75 100
 77 31.6 25.4 38.2
 39 56.2 45.8 68.6





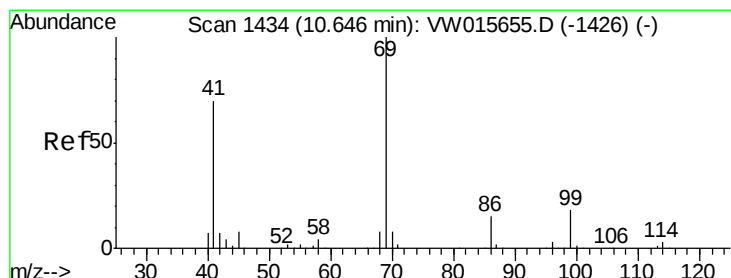
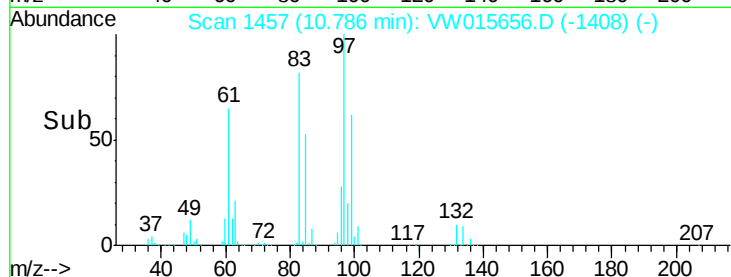
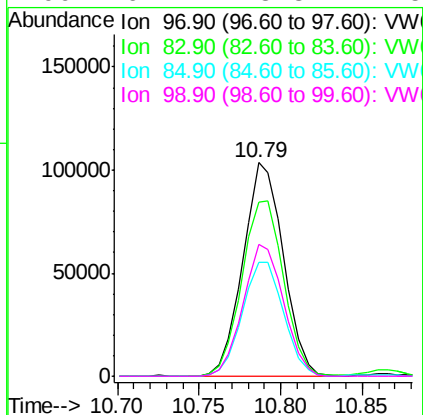
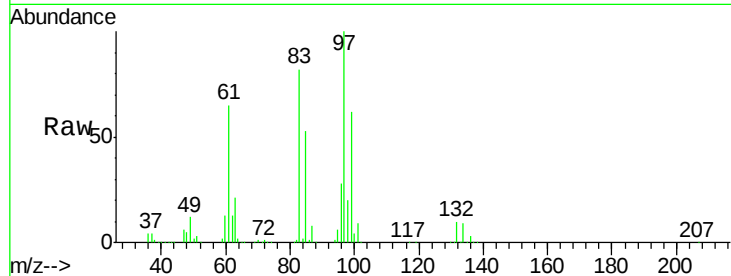
#55
 1,1,2-Trichloroethane
 Concen: 104.247 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW015656.D
 Acq: 23 Jun 2020 12:27

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tot Ion:	97	Resp:	178660
Ion	Ratio	Lower	Upper
97	100		
83	81.7	66.3	99.5
85	53.5	42.5	63.7
99	61.7	48.3	72.5

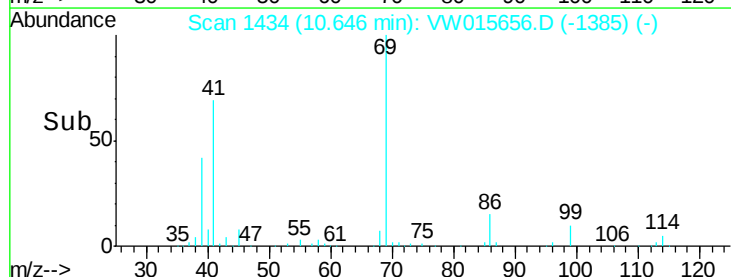
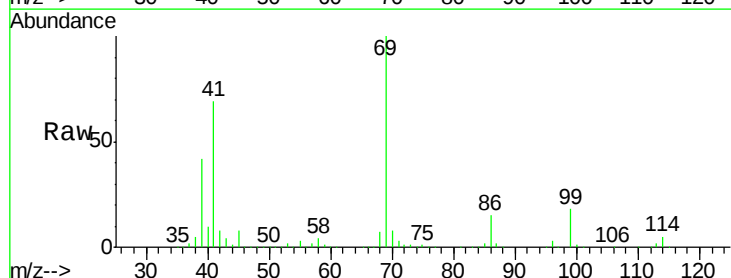
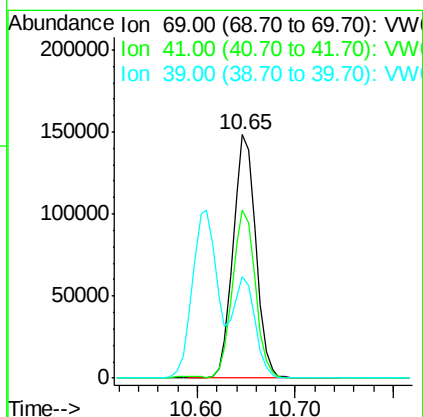
Manual Integrations
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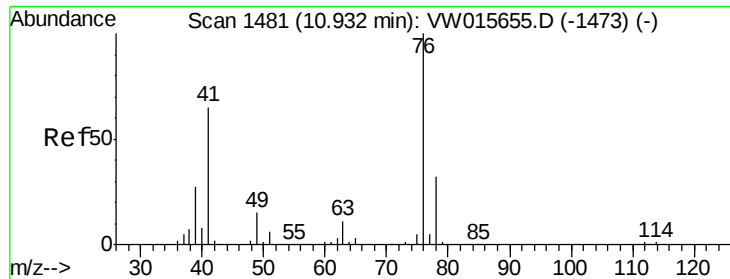
MMDadoda
 6/24/2020 10:58:16 AM



#56
 Ethyl methacrylate
 Concen: 108.000 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW015656.D
 Acq: 23 Jun 2020 12:27

Tgt Ion:	69	Resp:	238869
Ion	Ratio	Lower	Upper
69	100		
41	69.2	55.8	83.6
39	40.6	29.5	44.3





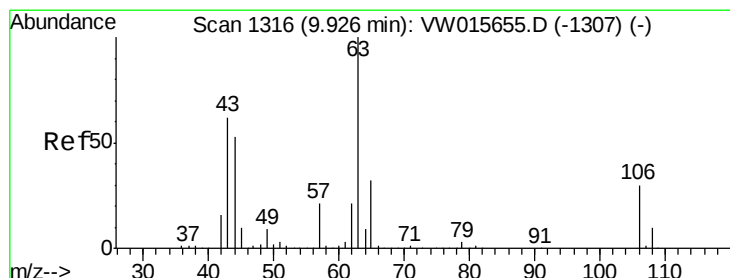
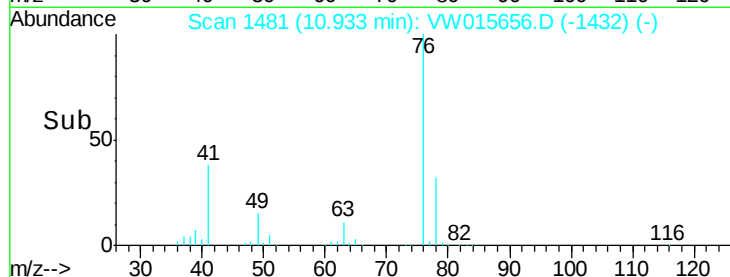
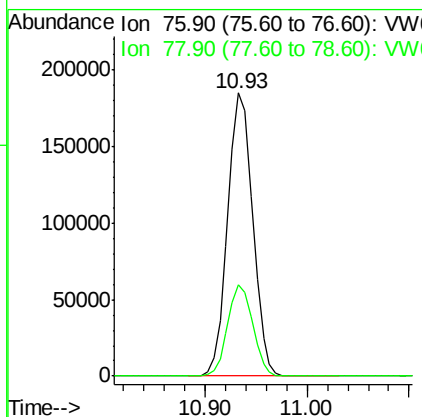
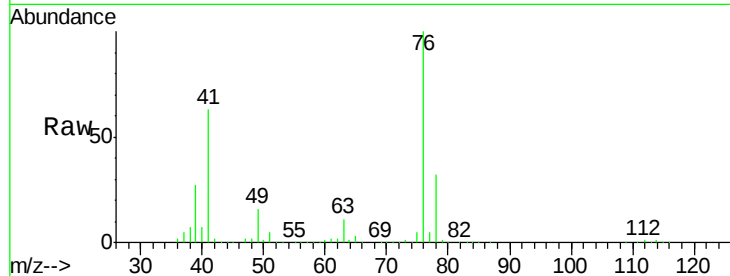
#57
 1,3-Dichloropropane
 Concen: 103.791 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW015656.D
 Acq: 23 Jun 2020 12:27

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC100

Tot Ion: 76 Resp: 315186
 Ion Ratio Lower Upper
 76 100
 78 32.2 26.2 39.2

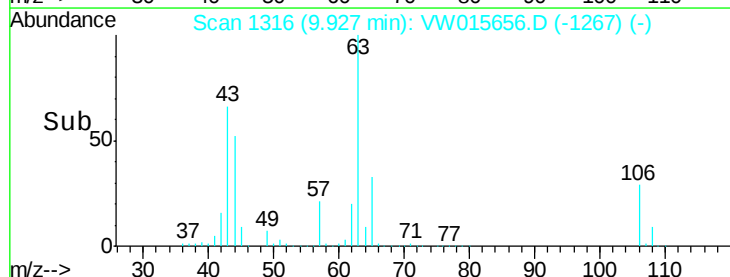
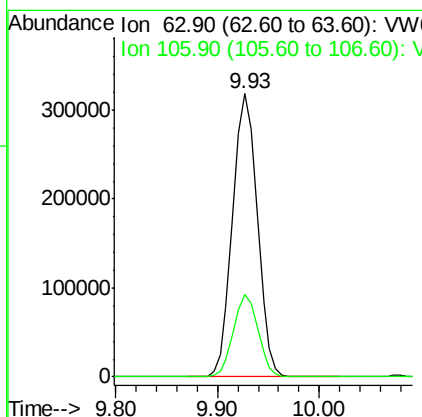
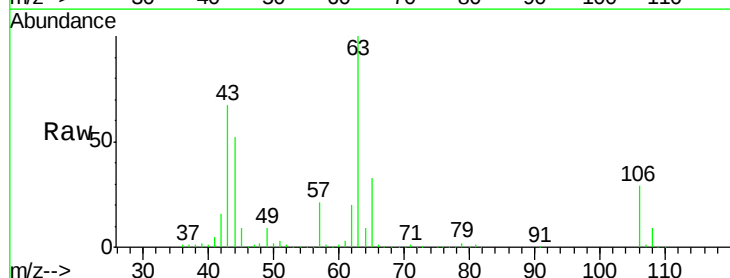
Manual Integrations
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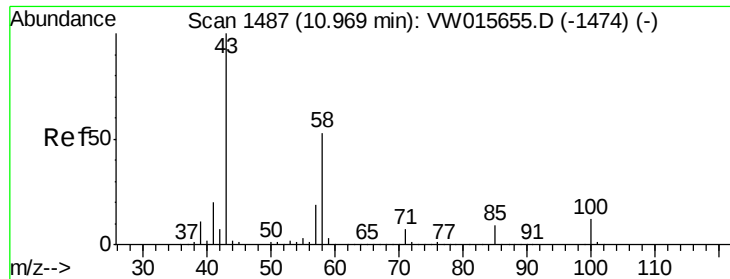
MMDadoda
 6/24/2020 10:58:16 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 505.939 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VW015656.D
 Acq: 23 Jun 2020 12:27

Tgt Ion: 63 Resp: 535074
 Ion Ratio Lower Upper
 63 100
 106 28.9 23.3 34.9





#59

2-Hexanone

Concen: 543.703 ug/l

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW015656.D

Acq: 23 Jun 2020 12:27

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 492619

Ion Ratio Lower Upper

43 100

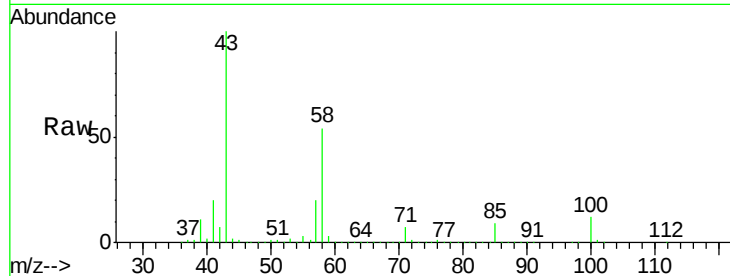
58 53.8 26.5 79.4

Manual Integrations

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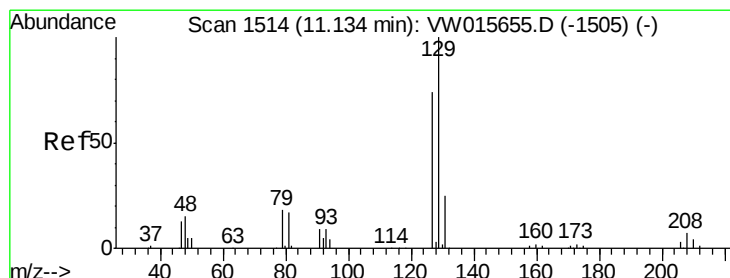
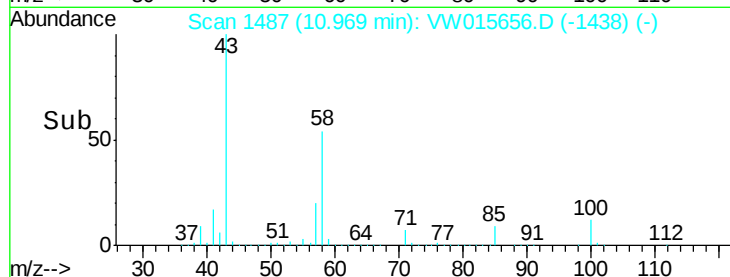
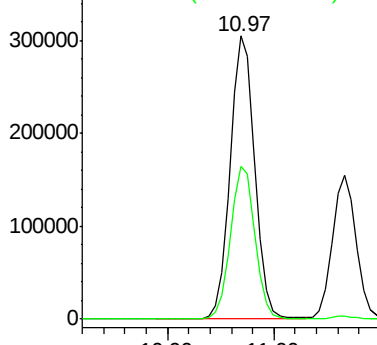
MMDadoda

6/24/2020 10:58:16 AM



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#60

Dibromochloromethane

Concen: 105.827 ug/l

RT: 11.13 min Scan# 1513

Delta R.T. -0.01 min

Lab File: VW015656.D

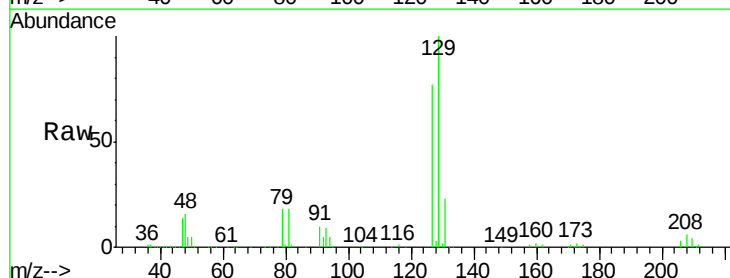
Acq: 23 Jun 2020 12:27

Tgt Ion: 129 Resp: 220662

Ion Ratio Lower Upper

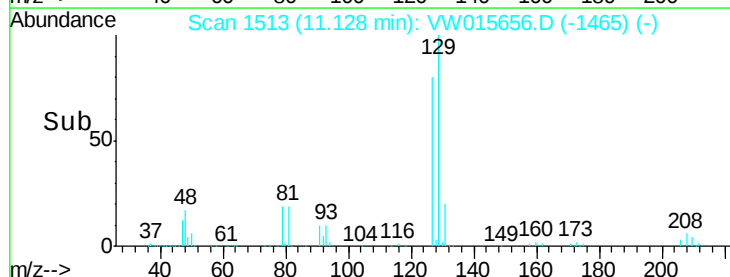
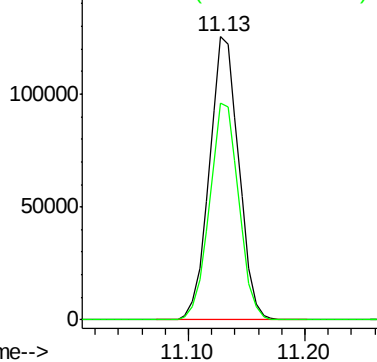
129 100

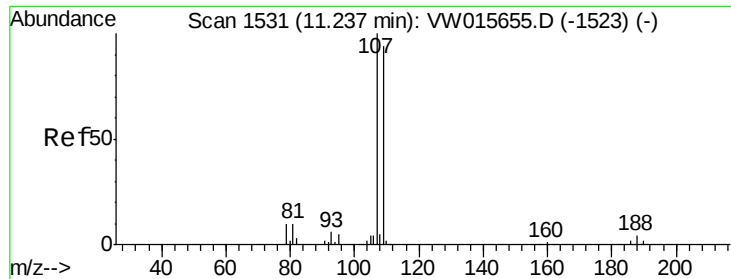
127 76.1 38.0 114.1



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V





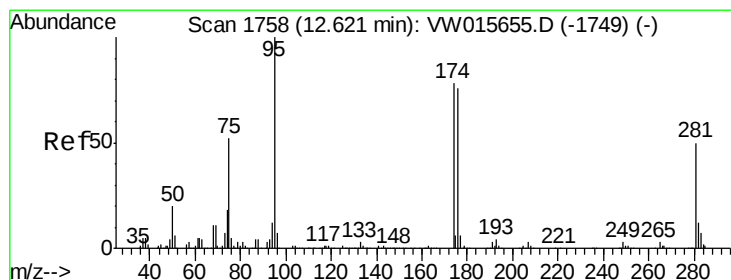
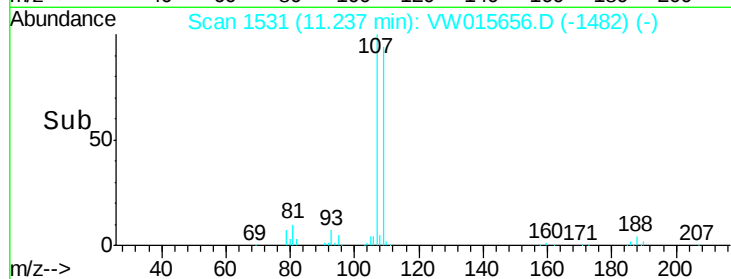
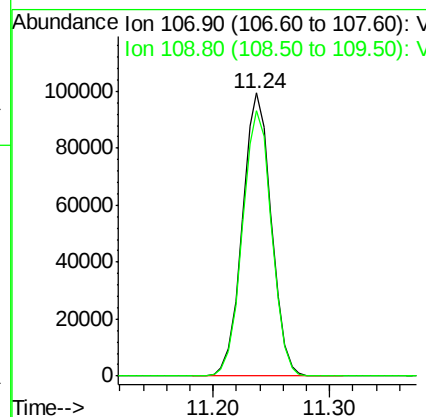
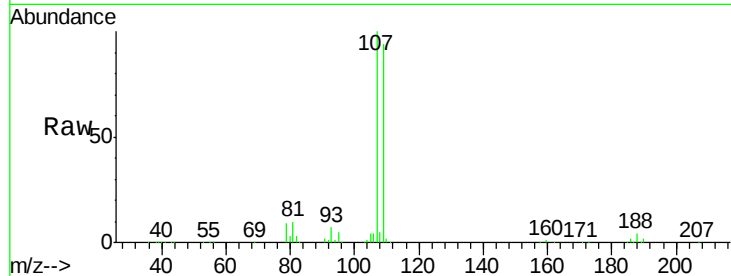
#61
 1,2-Dibromoethane
 Concen: 104.862 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW015656.D
 Acq: 23 Jun 2020 12:27

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.8	74.9	112.3

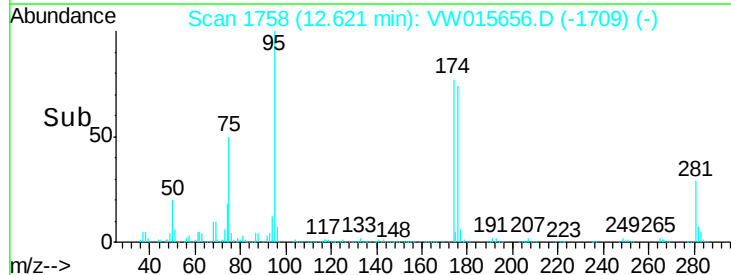
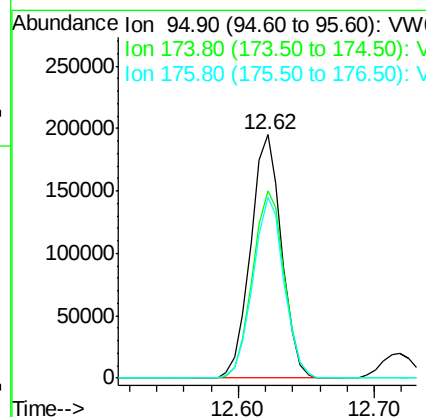
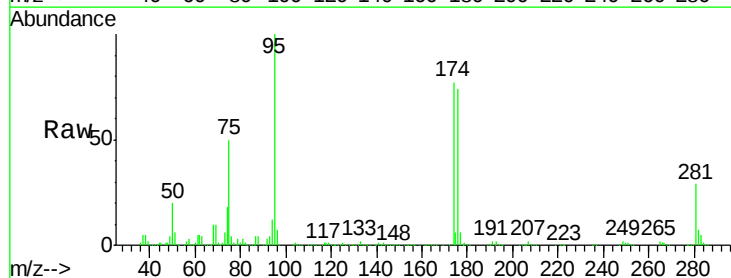
Manual Integrations
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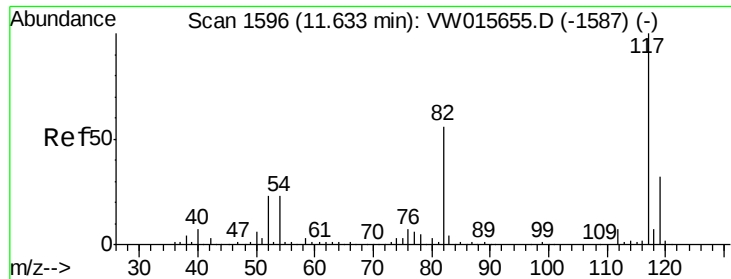
MMDadoda
 6/24/2020 10:58:16 AM



#62
 4-Bromofluorobenzene
 Concen: 98.335 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW015656.D
 Acq: 23 Jun 2020 12:27

Tgt Ion	Ratio	Lower	Upper
95	100		
174	79.0	0.0	157.0
176	74.7	0.0	151.4





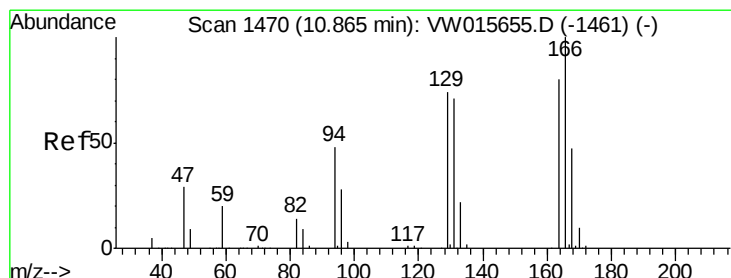
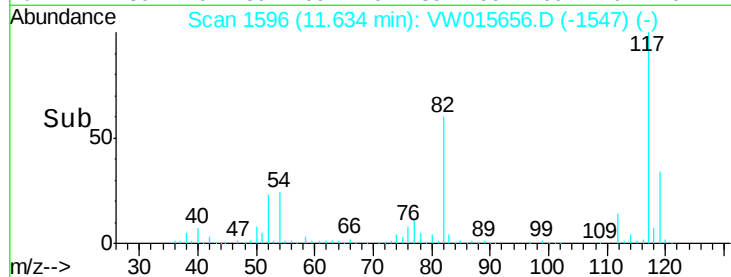
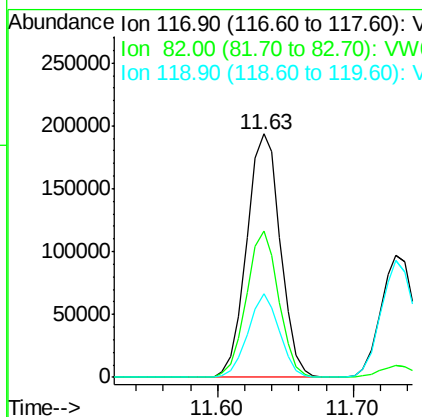
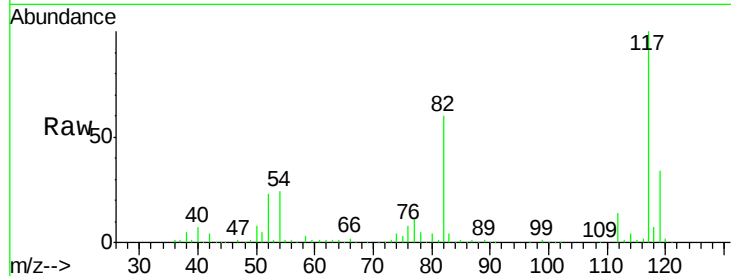
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW015656.D
Acq: 23 Jun 2020 12:27

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
117	100		
82	60.2	45.1	67.7
119	34.2	25.8	38.8

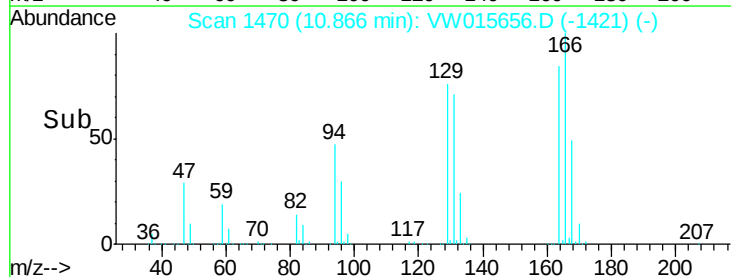
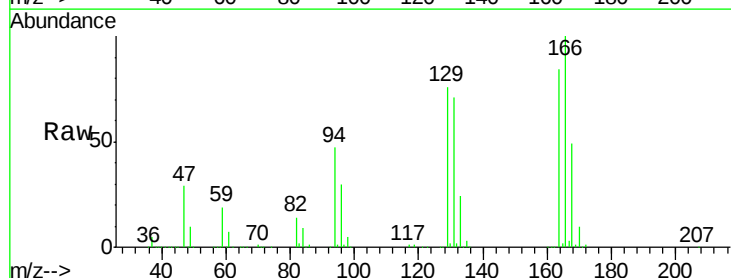
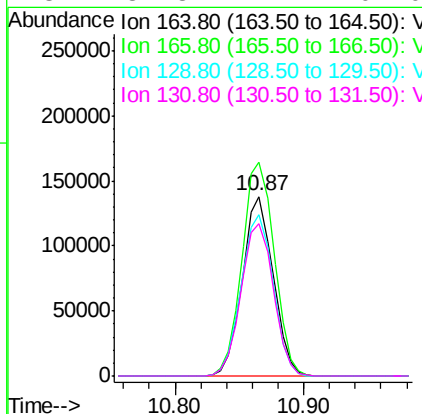
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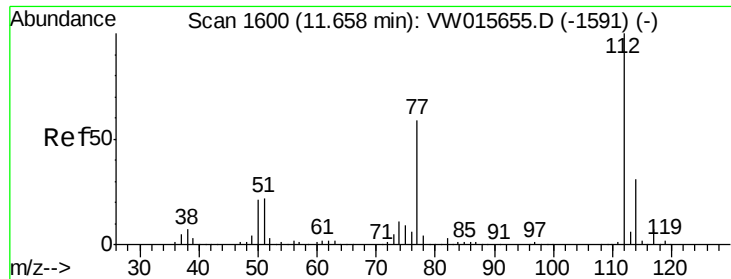
MMDadoda
6/24/2020 10:58:16 AM



#64
Tetrachloroethene
Concen: 99.545 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VW015656.D
Acq: 23 Jun 2020 12:27

Tgt Ion	Ratio	Lower	Upper
164	100		
166	119.0	99.9	149.9
129	89.9	74.2	111.2
131	84.8	71.4	107.0





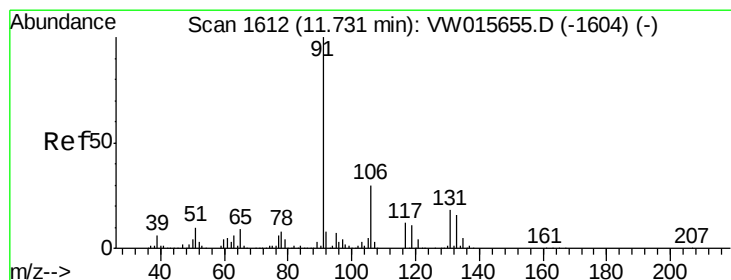
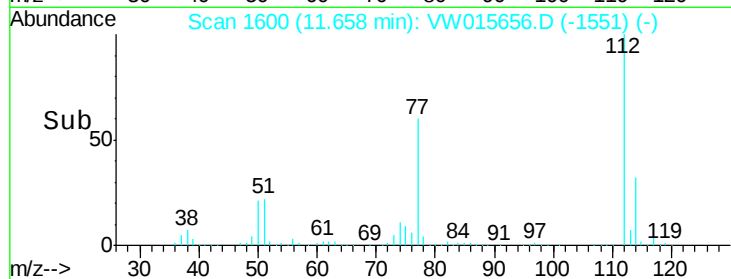
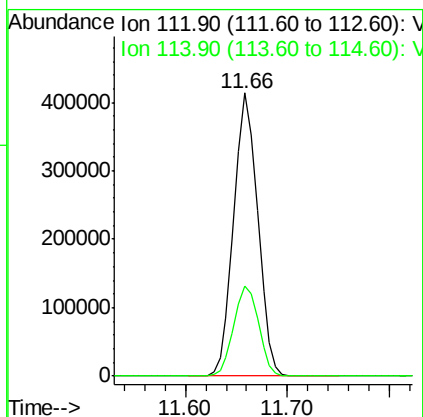
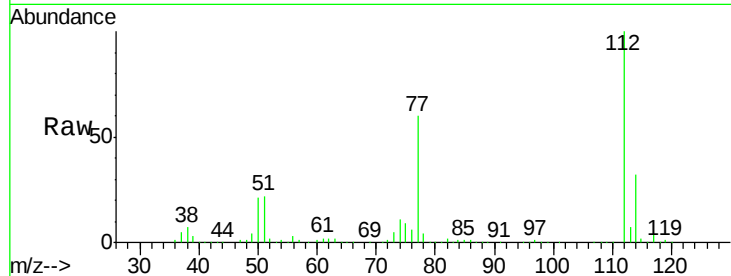
#65
Chlorobenzene
Concen: 98.113 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW015656.D
Acq: 23 Jun 2020 12:27

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion:112 Resp: 676321
Ion Ratio Lower Upper
112 100
114 31.8 24.9 37.3

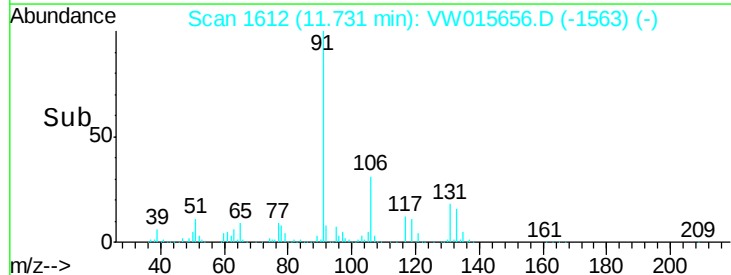
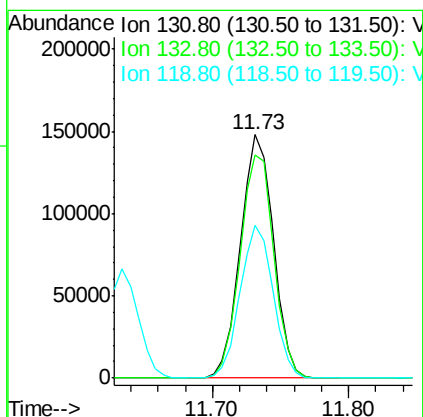
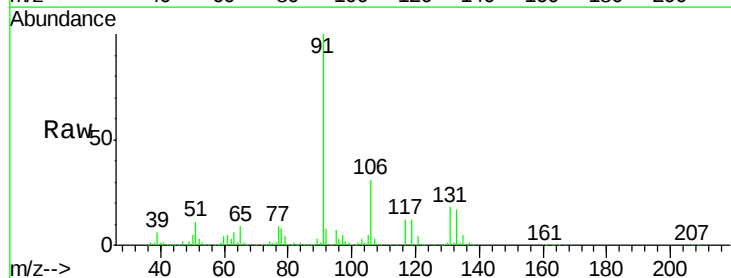
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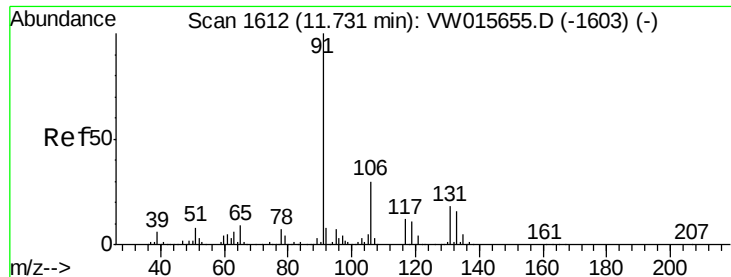
MMDadoda
6/24/2020 10:58:16 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 102.104 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW015656.D
Acq: 23 Jun 2020 12:27

Tgt Ion:131 Resp: 250967
Ion Ratio Lower Upper
131 100
133 93.9 46.5 139.5
119 62.9 32.5 97.5





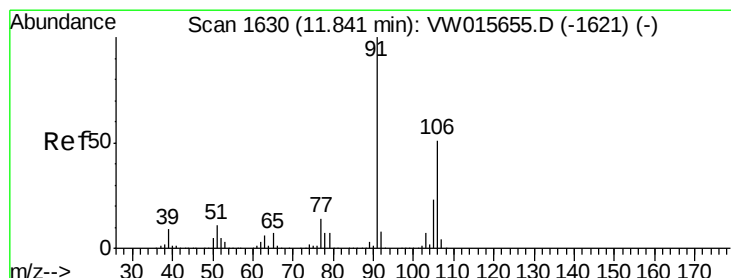
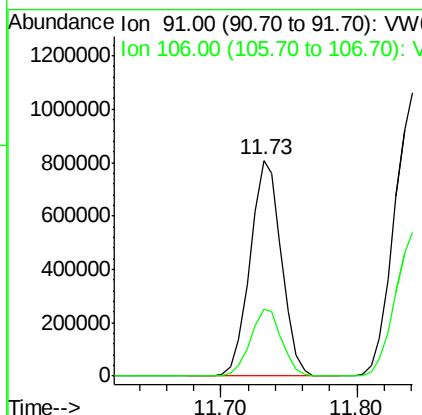
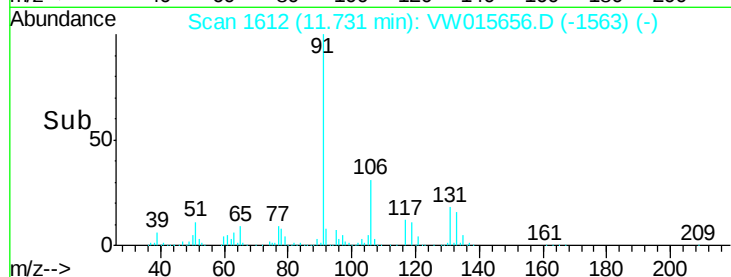
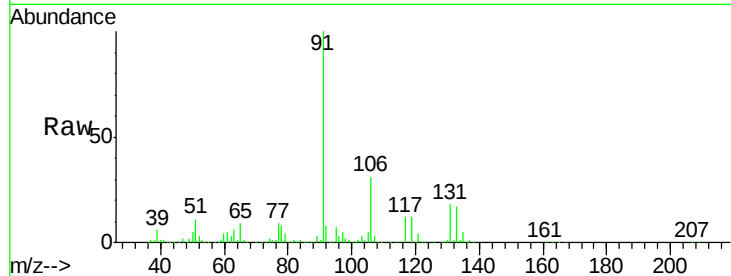
#67
Ethyl Benzene
Concen: 100.355 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW015656.D
Acq: 23 Jun 2020 12:27

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion: 91 Resp: 1302672
Ion Ratio Lower Upper
91 100
106 30.8 24.1 36.1

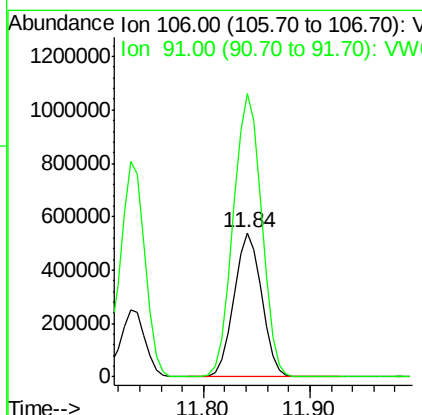
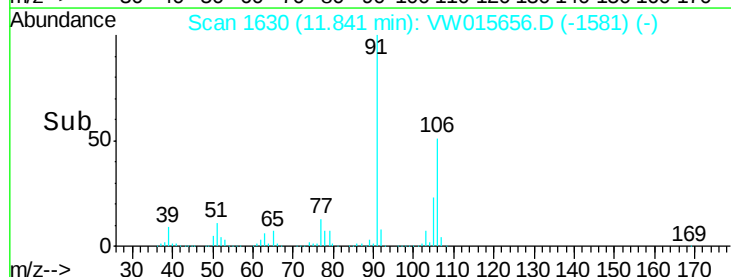
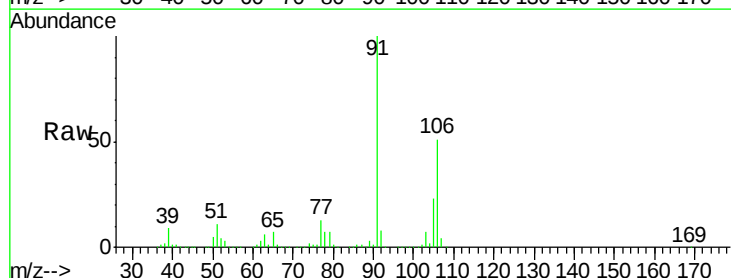
Manual Integrations
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#68
m/p-Xylenes
Concen: 203.081 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW015656.D
Acq: 23 Jun 2020 12:27

Tgt Ion: 106 Resp: 984255
Ion Ratio Lower Upper
106 100
91 202.1 162.6 244.0





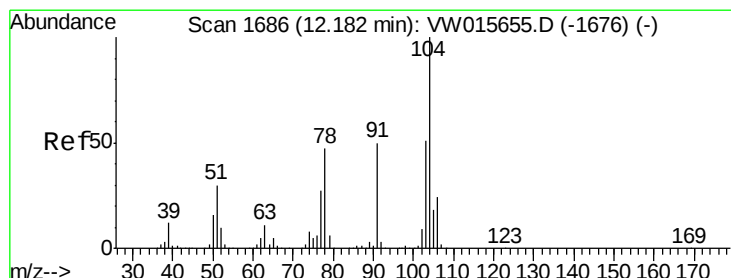
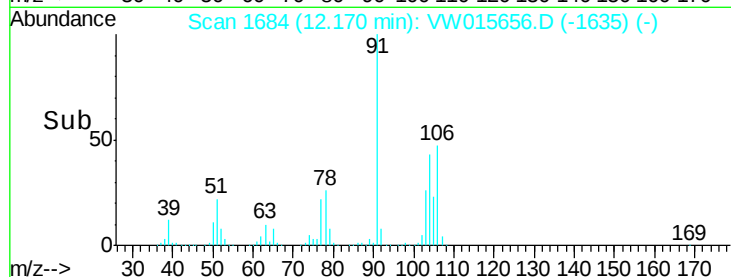
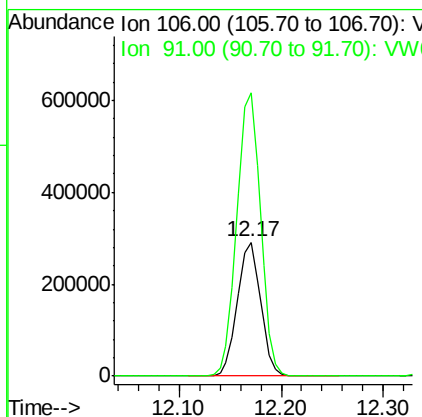
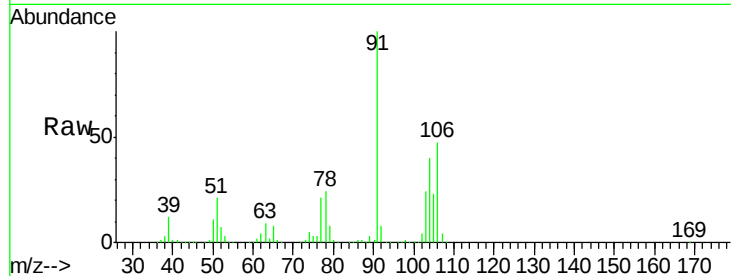
#69
o-Xylene
Concen: 101.811 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW015656.D
Acq: 23 Jun 2020 12:27

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		458054		
91	215.8	108.3	324.9		

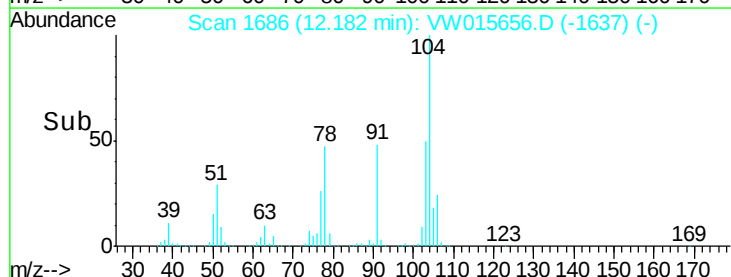
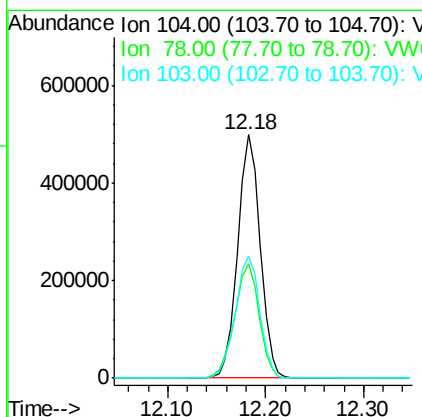
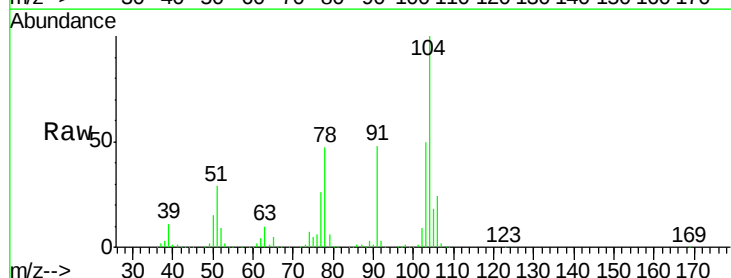
Manual Integrations
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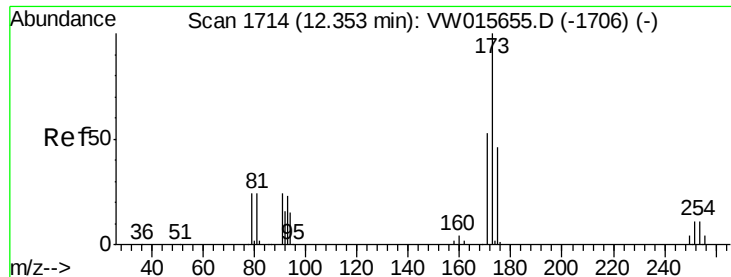
MMDadoda
6/24/2020 10:58:16 AM



#70
Styrene
Concen: 103.469 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW015656.D
Acq: 23 Jun 2020 12:27

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		795077		
78	51.4	40.9	61.3		
103	54.7	43.1	64.7		





#71

Bromoform

Concen: 104.704 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW015656.D

Acq: 23 Jun 2020 12:27

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion:173 Resp: 121574

Ion Ratio Lower Upper

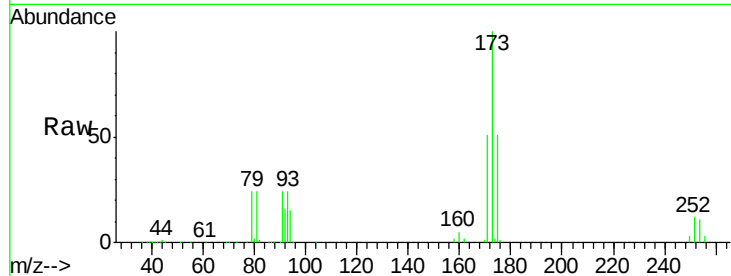
173 100

175 49.8 23.5 70.6

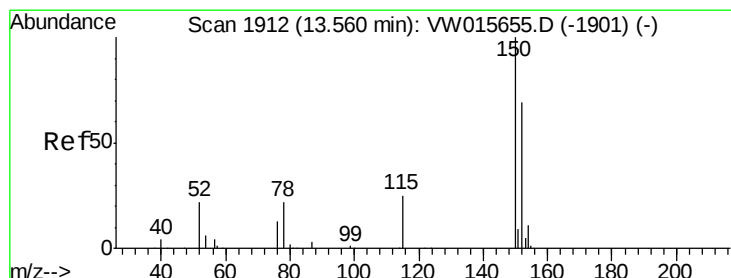
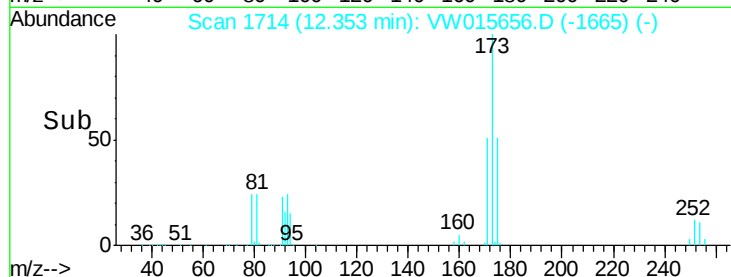
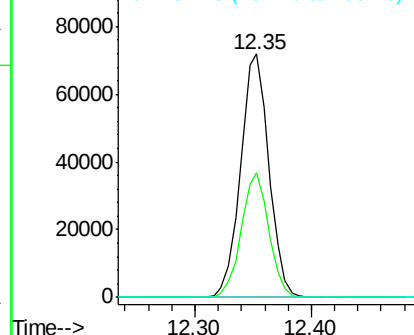
254 0.1 0.1 0.1#

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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: VW015656.D

Acq: 23 Jun 2020 12:27

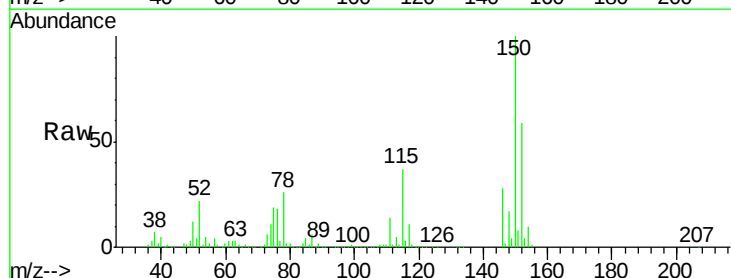
Tgt Ion:152 Resp: 166705

Ion Ratio Lower Upper

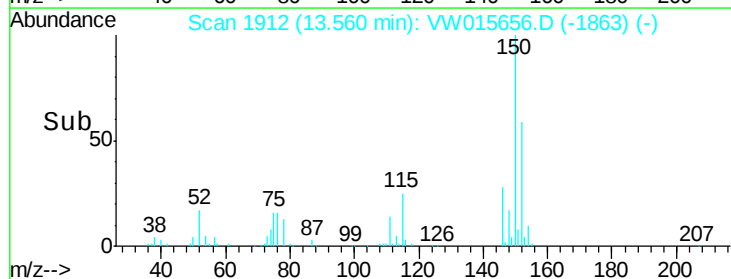
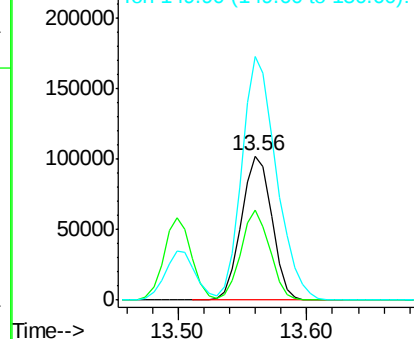
152 100

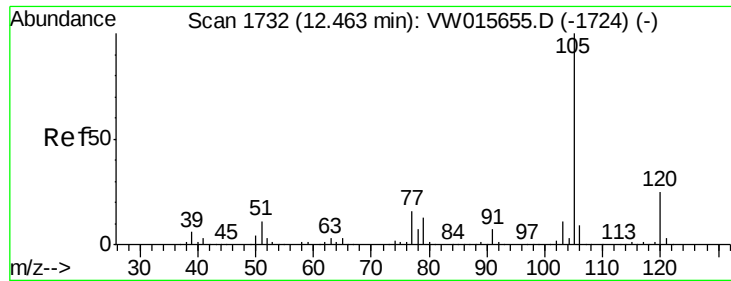
115 59.4 30.1 90.5

150 191.7 0.0 345.6



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: 101.760 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.01 min

Lab File: VW015656.D

Acq: 23 Jun 2020 12:27

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 1300263

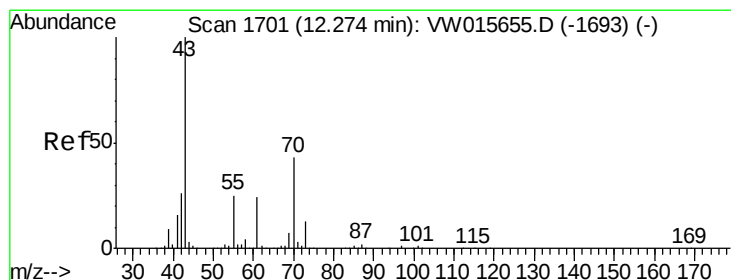
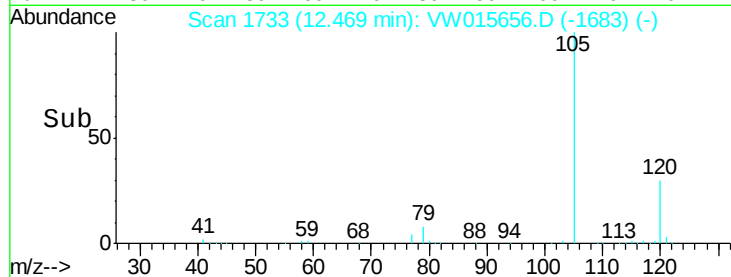
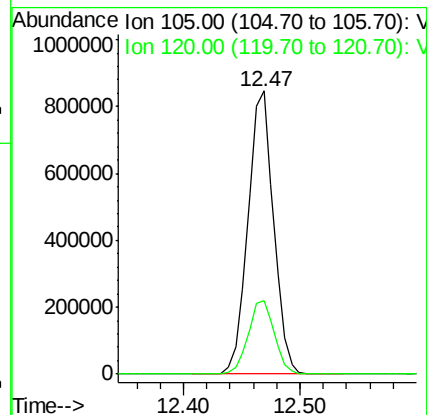
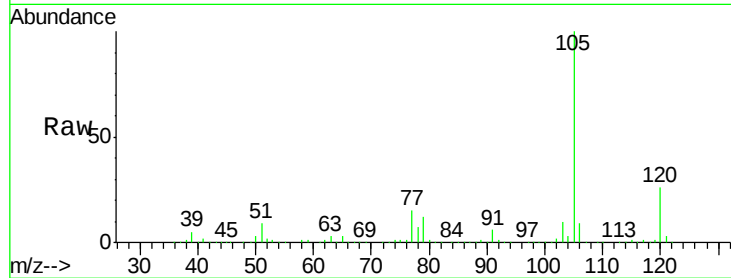
Ion Ratio Lower Upper

105 100

120 26.3 12.9 38.7

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#74

N-ethyl acetate

Concen: 104.374 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW015656.D

Acq: 23 Jun 2020 12:27

Tgt Ion: 43 Resp: 279977

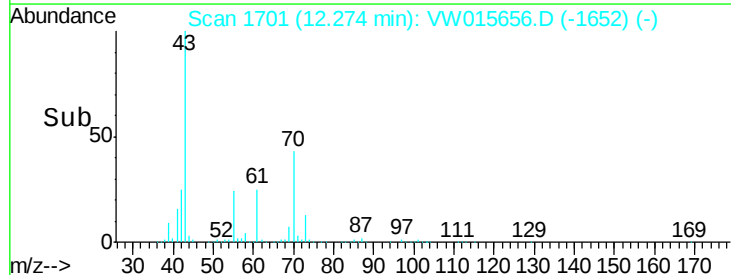
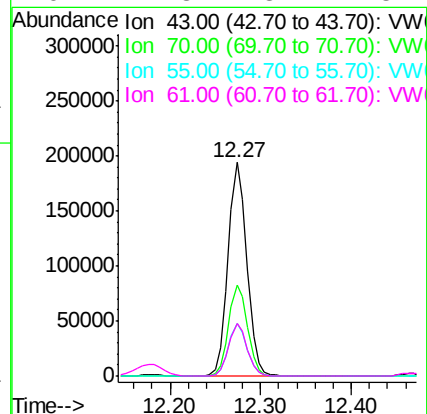
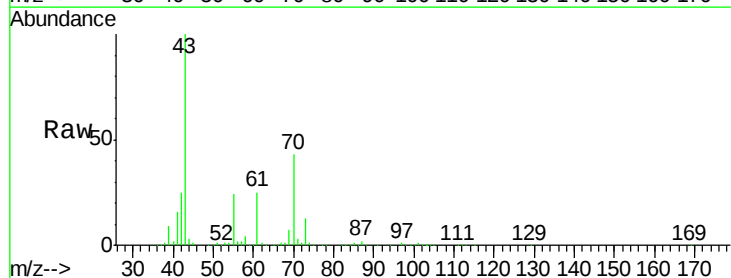
Ion Ratio Lower Upper

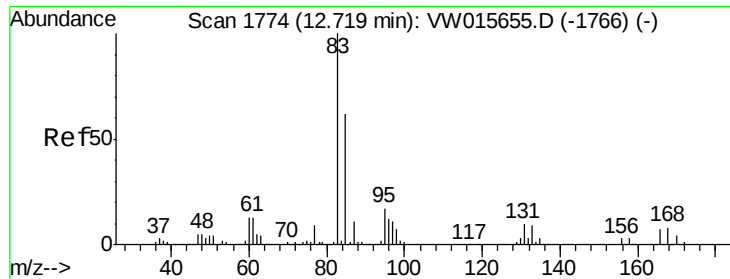
43 100

70 43.2 33.6 50.4

55 24.3 19.7 29.5

61 24.3 18.7 28.1





#75

1,1,2,2-Tetrachloroethane

Concen: 103.444 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW015656.D

Acq: 23 Jun 2020 12:27

Instrument :

MSVOA_W

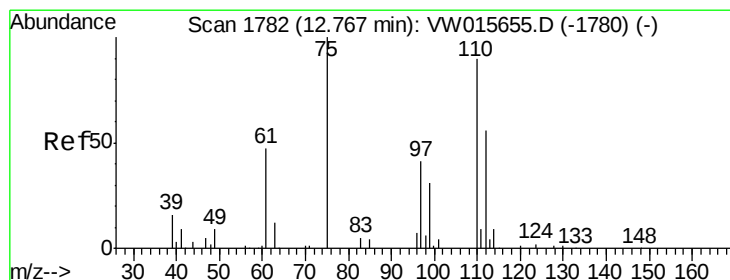
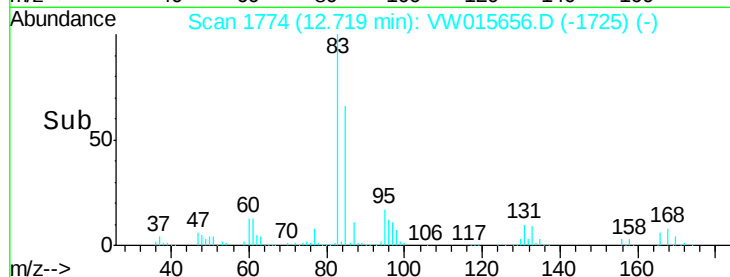
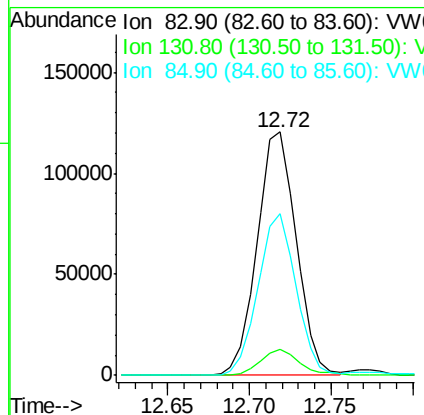
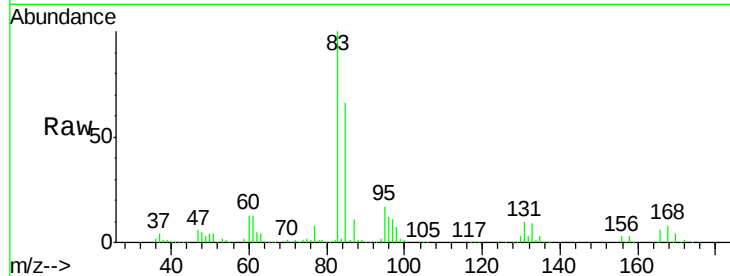
ClientSampleId :

VSTDIC100

Tot Ion	83	Resp	200731
Ion Ratio	Lower	Upper	
83	100		
131	11.0	5.5	16.4
85	64.5	31.9	95.7

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 105.301 ug/l m

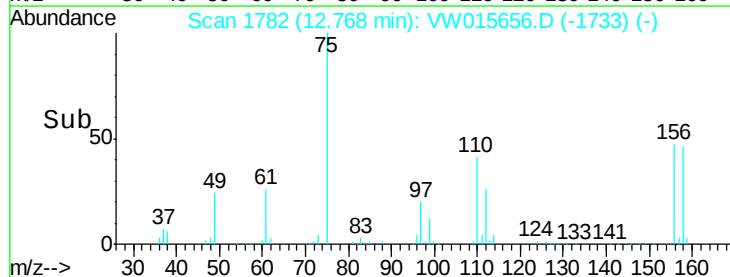
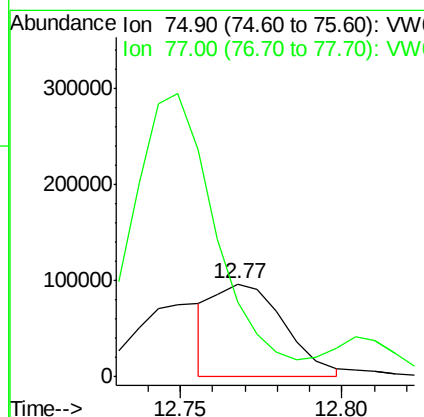
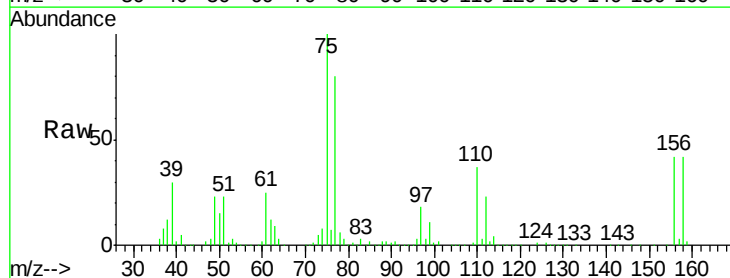
RT: 12.77 min Scan# 1782

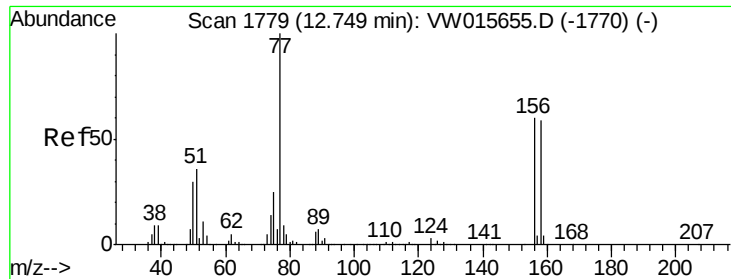
Delta R.T. 0.00 min

Lab File: VW015656.D

Acq: 23 Jun 2020 12:27

Tgt Ion	75	Resp	147786
Ion Ratio	Lower	Upper	
75	100		
77	364.5	179.1	537.1





#77

Bromobenzene

Concen: 102.656 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW015656.D

Acq: 23 Jun 2020 12:27

Instrument :

MSVOA_W

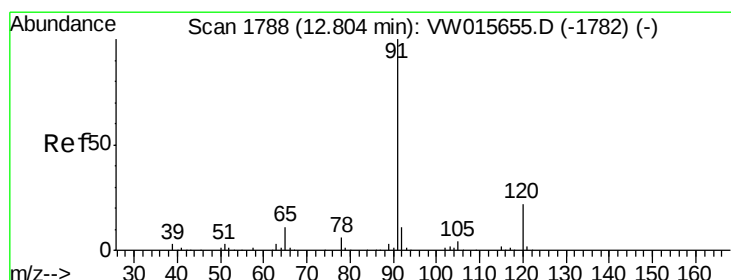
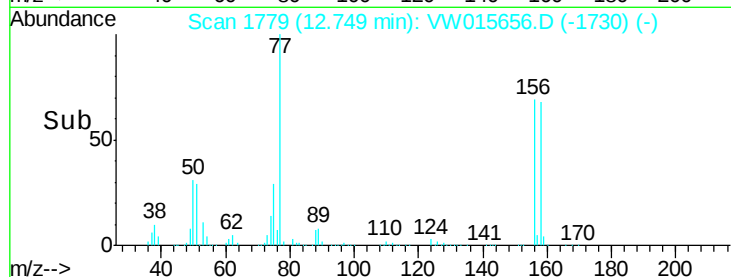
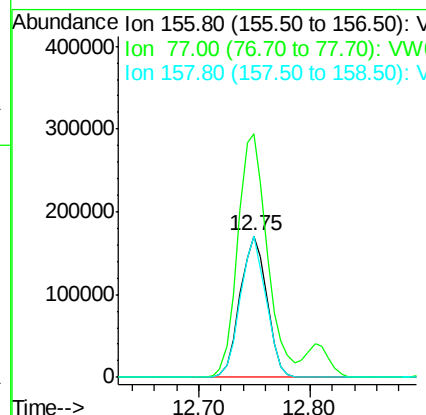
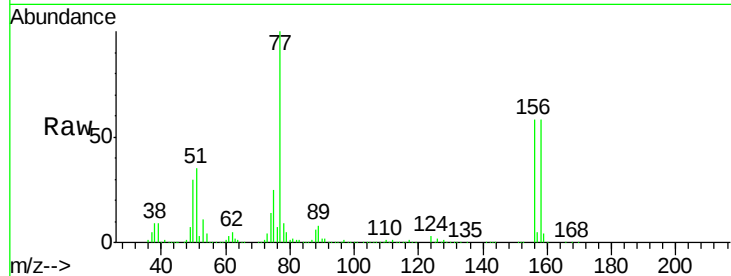
ClientSampled :

VSTDIC100

Tot Ion:	156	Resp:	283090
Ion Ratio	Lower	Upper	
156	100		
77	190.3	94.5	283.5
158	96.1	47.9	143.6

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#78

n-propylbenzene

Concen: 100.073 ug/l

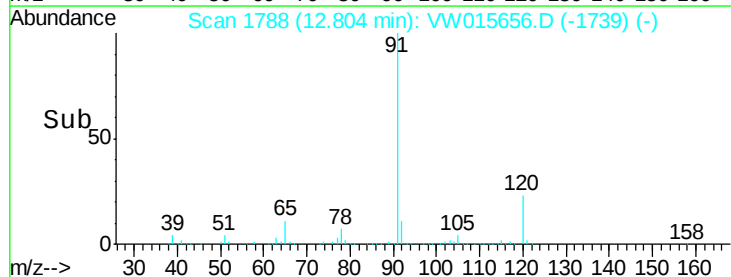
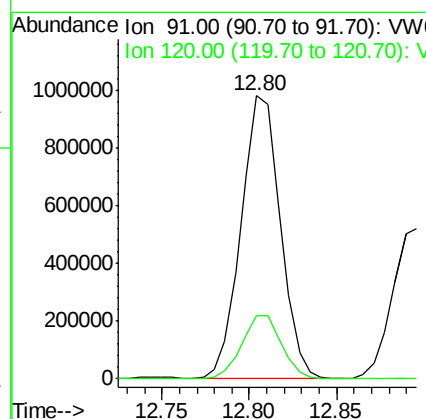
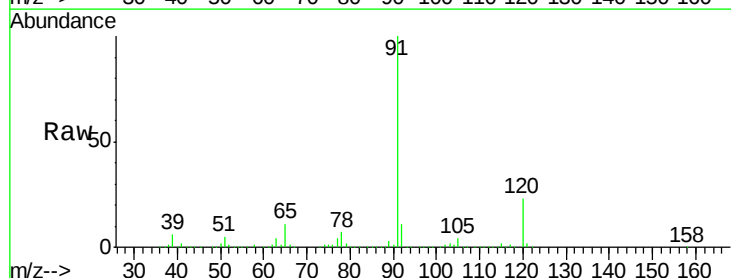
RT: 12.80 min Scan# 1788

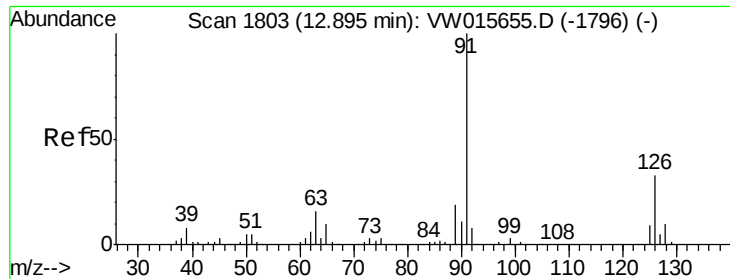
Delta R.T. 0.00 min

Lab File: VW015656.D

Acq: 23 Jun 2020 12:27

Tgt Ion:	91	Resp:	1531927
Ion Ratio	Lower	Upper	
91	100		
120	22.7	11.2	33.5





#79

2-Chlorotoluene

Concen: 99.829 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW015656.D

Acq: 23 Jun 2020 12:27

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 862693

Ion Ratio Lower Upper

91 100

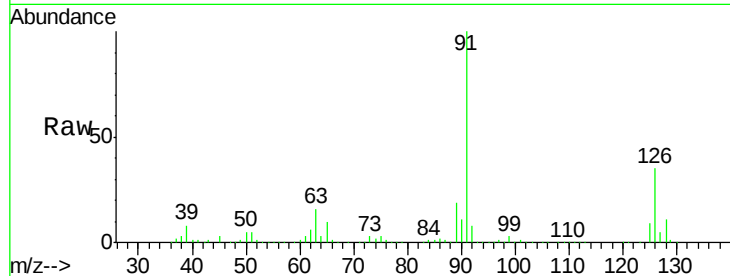
126 33.1 16.6 49.8

Manual Integrations

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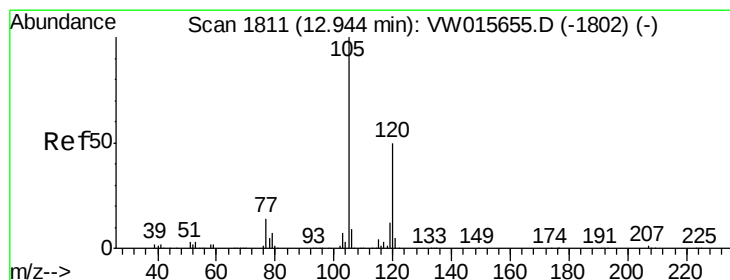
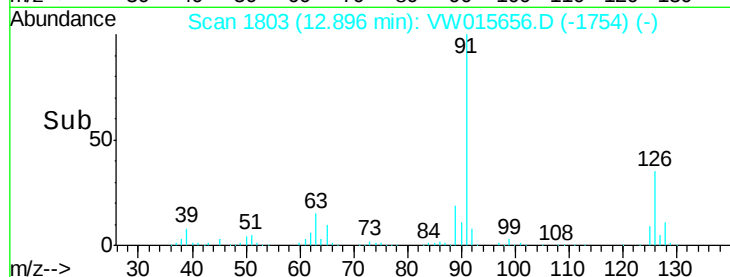
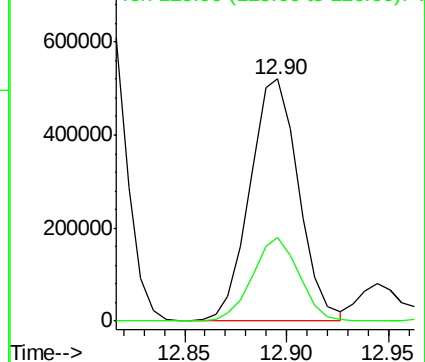
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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 99.846 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW015656.D

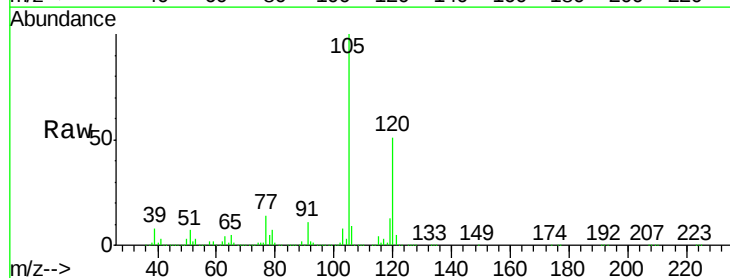
Acq: 23 Jun 2020 12:27

Tgt Ion:105 Resp: 1077892

Ion Ratio Lower Upper

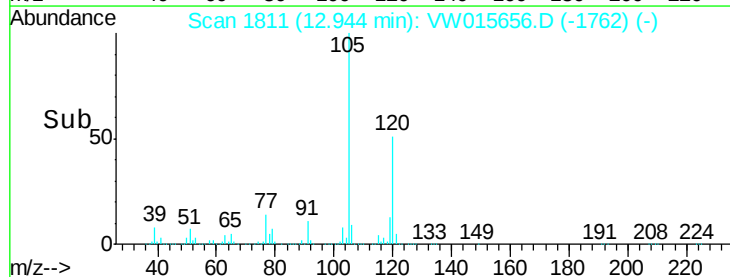
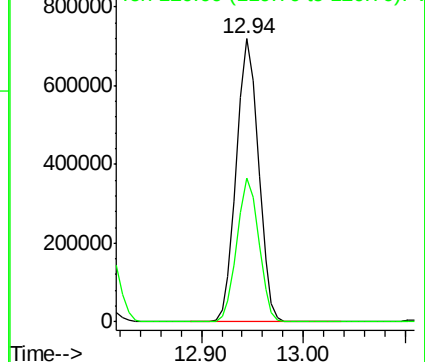
105 100

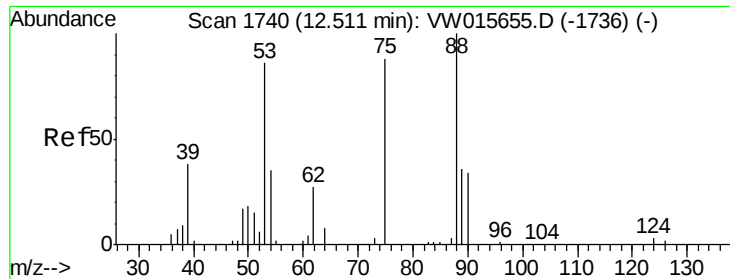
120 50.1 24.4 73.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





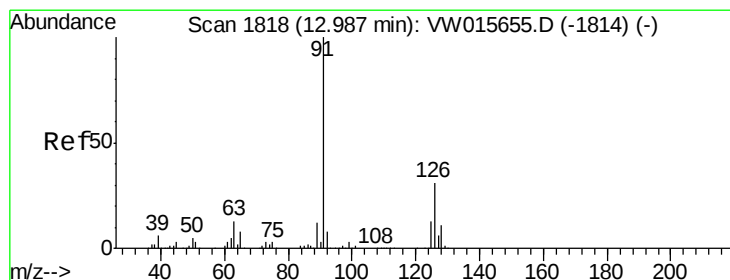
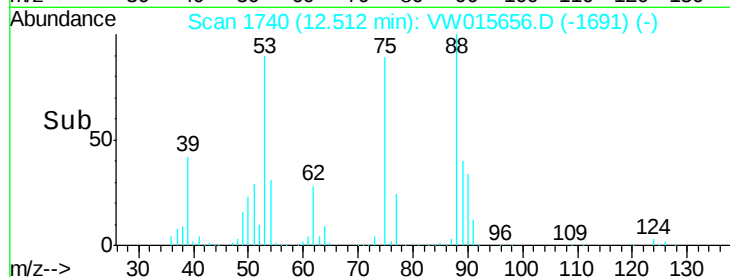
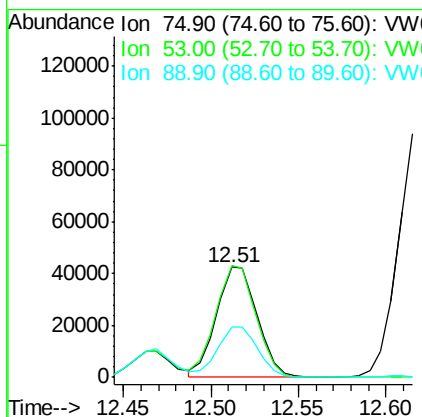
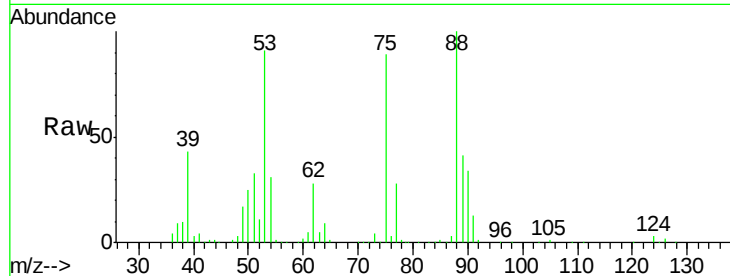
#81
trans-1,4-Dichloro-2-butene
Concen: 107.571 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW015656.D
Acq: 23 Jun 2020 12:27

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
75	100		
53	101.6	83.8	125.8
89	46.1	36.6	55.0

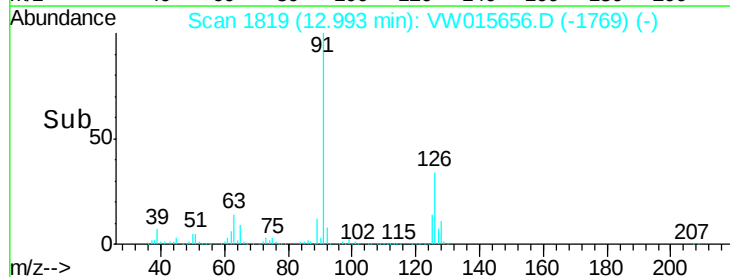
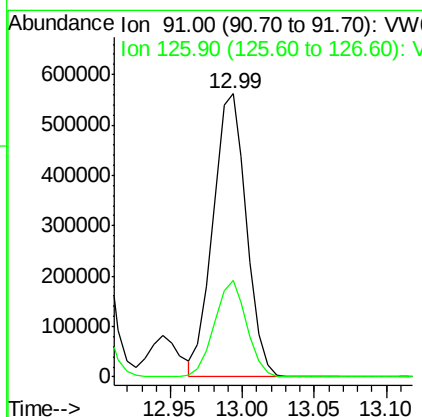
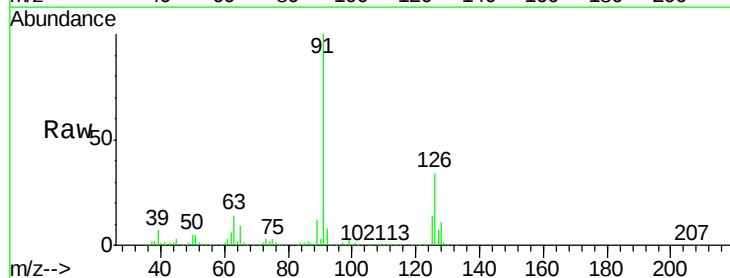
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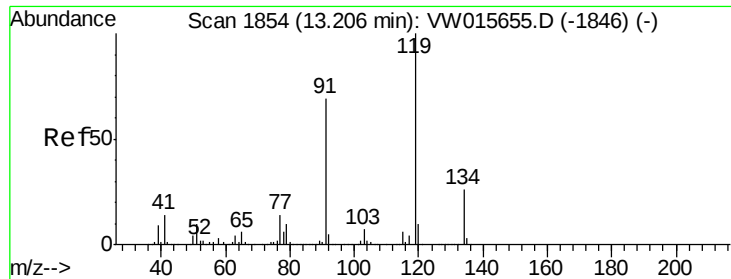
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#82
4-Chlorotoluene
Concen: 101.247 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. 0.01 min
Lab File: VW015656.D
Acq: 23 Jun 2020 12:27

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.1	16.3	48.9





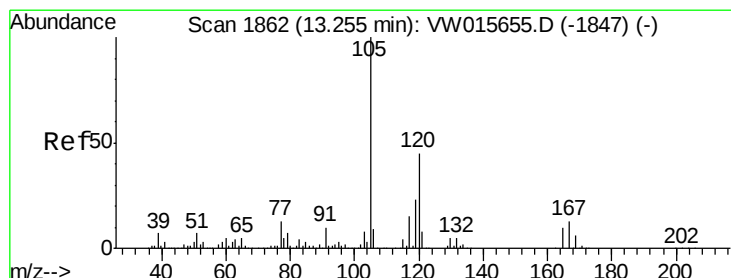
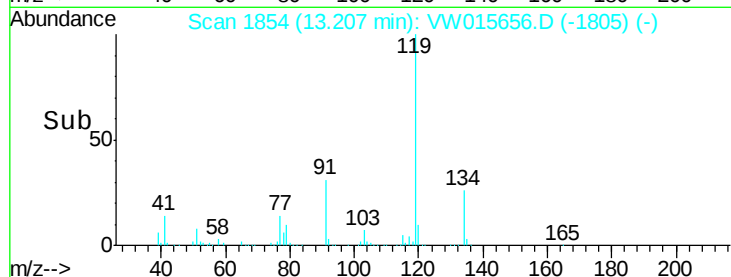
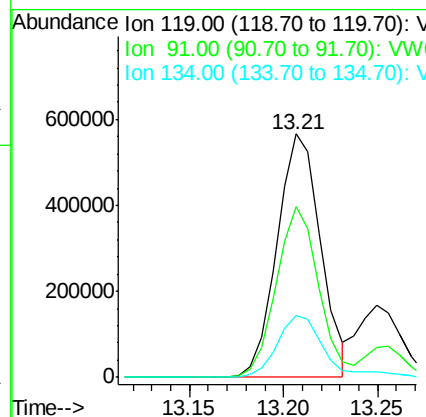
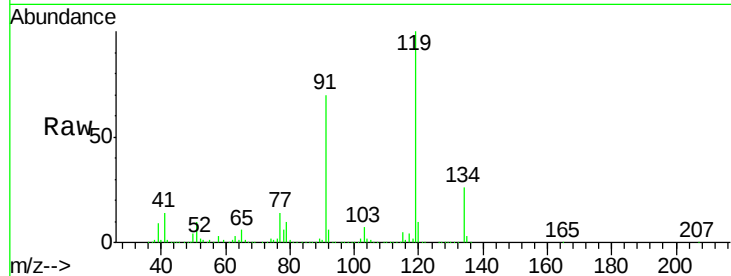
#83
 tert-Butylbenzene
 Concen: 98.881 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VW015656.D
 Acq: 23 Jun 2020 12:27

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
119	100	906859		
91	68.5		34.7	104.1
134	27.5		13.8	41.4

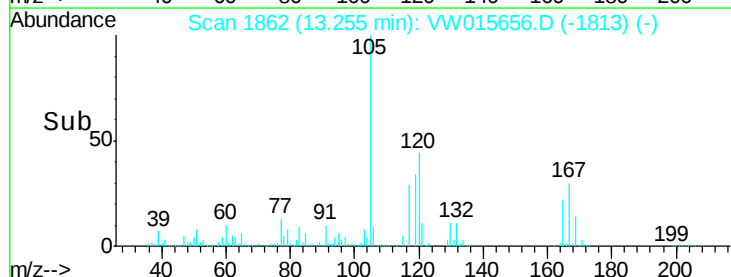
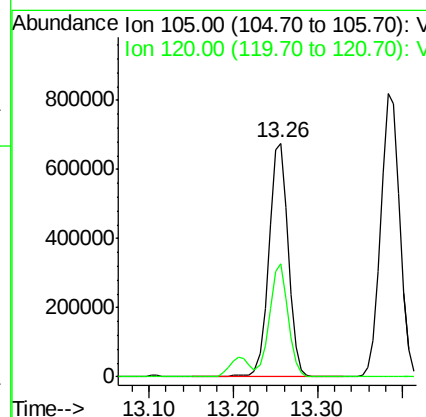
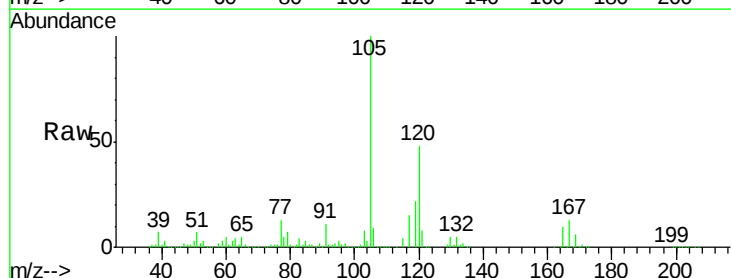
Manual Integrations
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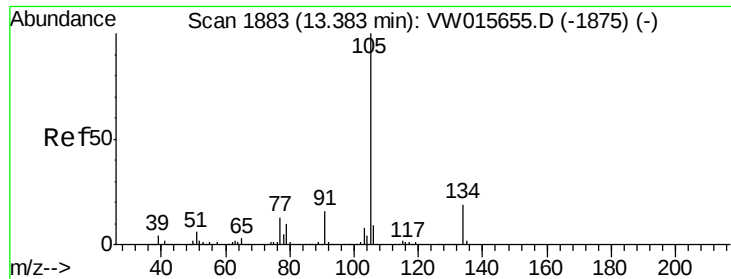
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#84
 1,2,4-Trimethylbenzene
 Concen: 99.239 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VW015656.D
 Acq: 23 Jun 2020 12:27

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	1068517		
120	46.1		22.8	68.3





#85

sec-Butylbenzene

Concen: 98.868 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW015656.D

Acq: 23 Jun 2020 12:27

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 1288020

Ion Ratio Lower Upper

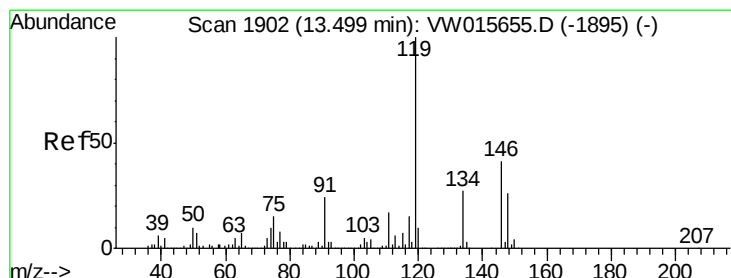
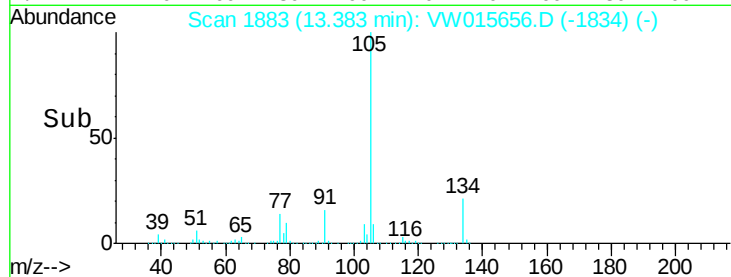
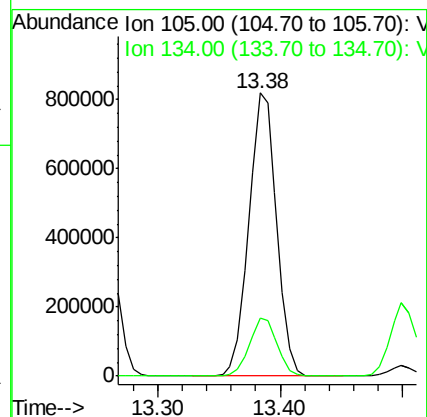
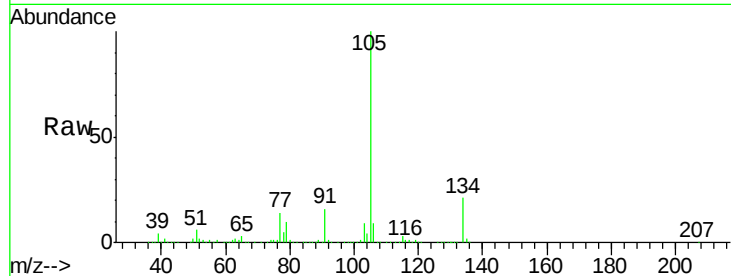
105 100

134 20.4 10.0 29.8

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 101.593 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW015656.D

Acq: 23 Jun 2020 12:27

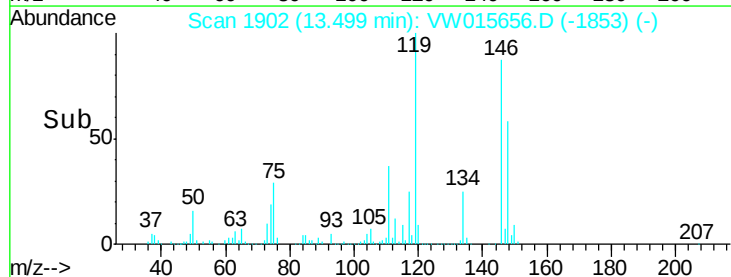
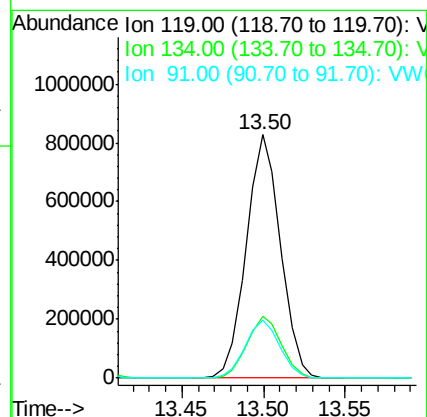
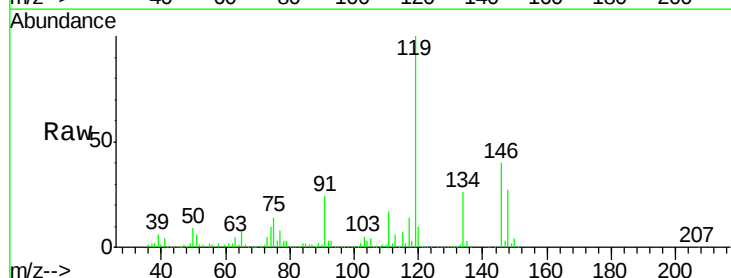
Tgt Ion:119 Resp: 1207339

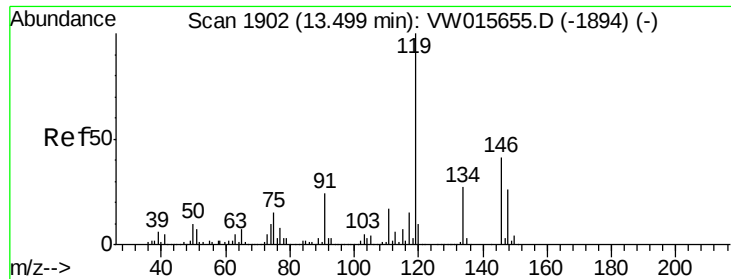
Ion Ratio Lower Upper

119 100

134 25.6 13.5 40.4

91 23.7 12.3 36.8





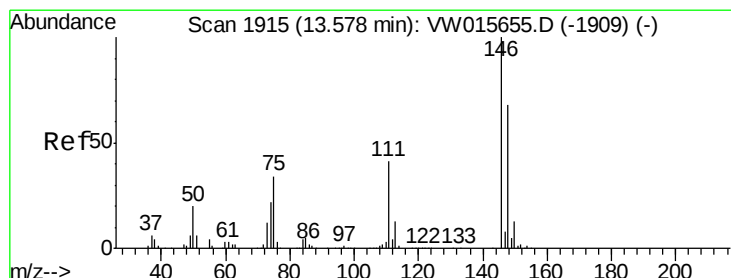
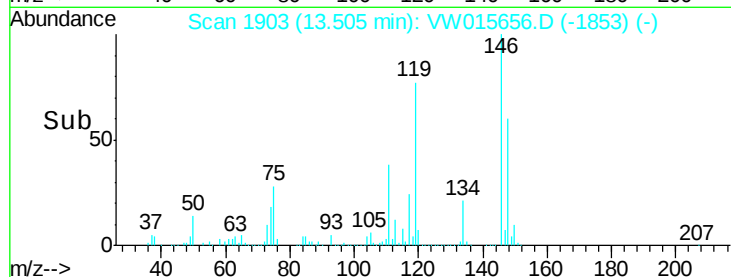
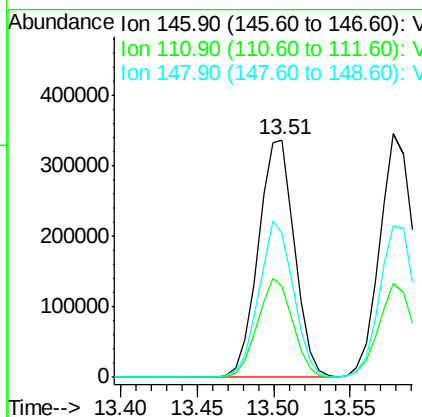
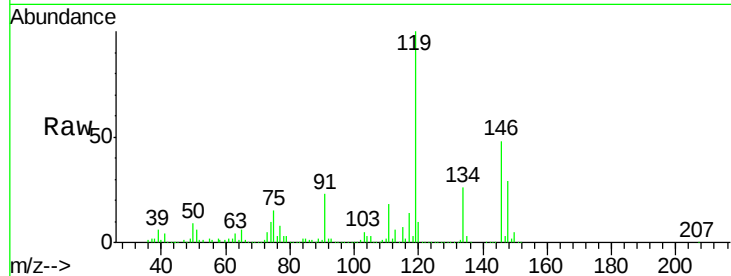
#87
 1,3-Dichlorobenzene
 Concen: 101.498 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.01 min
 Lab File: VW015656.D
 Acq: 23 Jun 2020 12:27

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.4	20.3	60.8
148	62.8	31.6	94.7

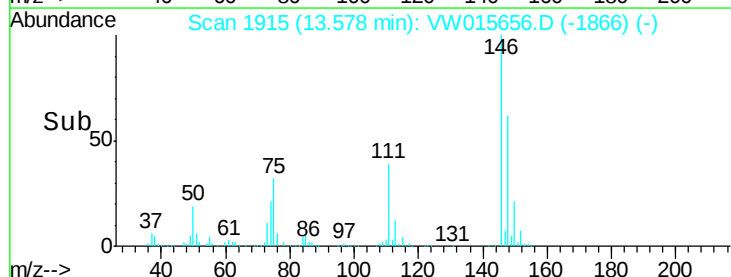
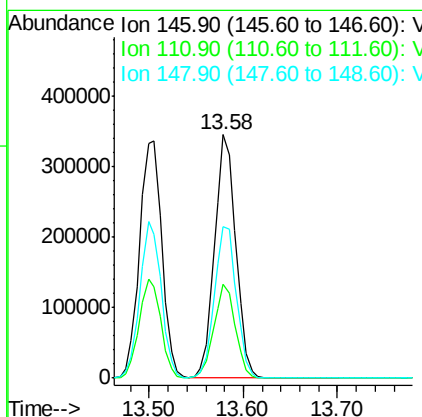
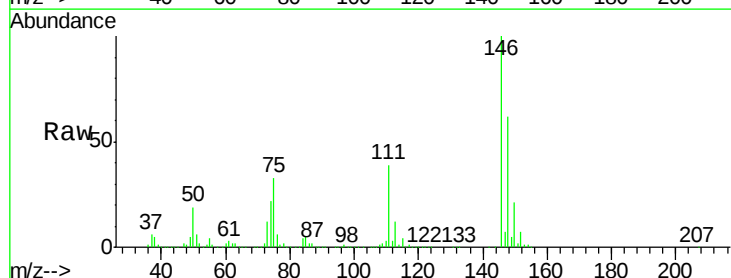
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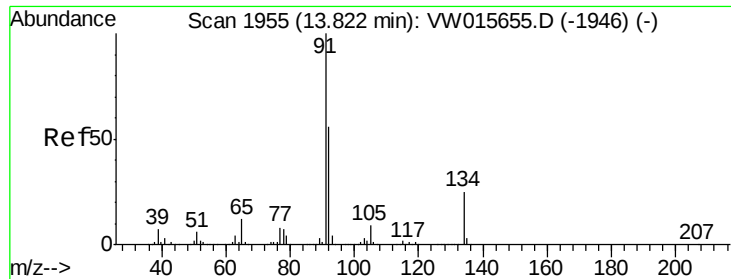
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#88
 1,4-Dichlorobenzene
 Concen: 99.526 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW015656.D
 Acq: 23 Jun 2020 12:27

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.9	20.3	60.9
148	64.4	33.7	101.1





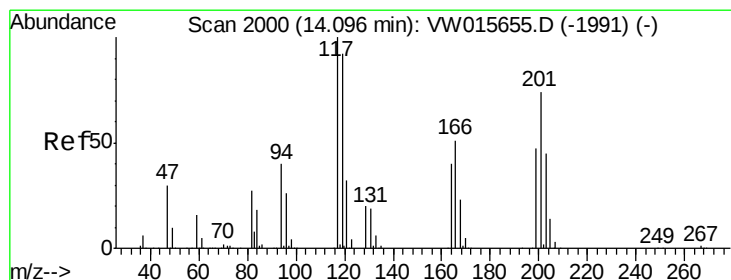
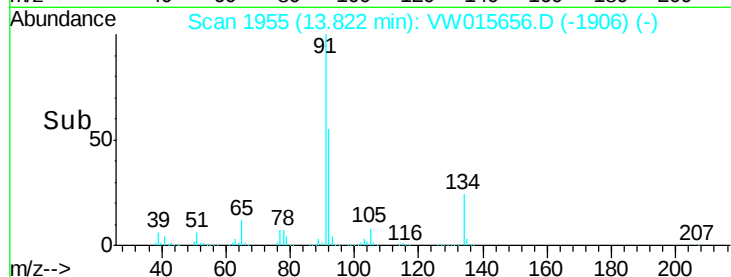
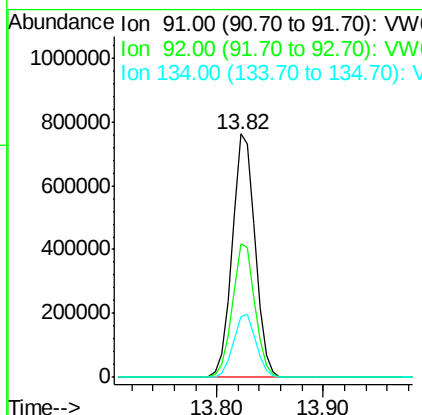
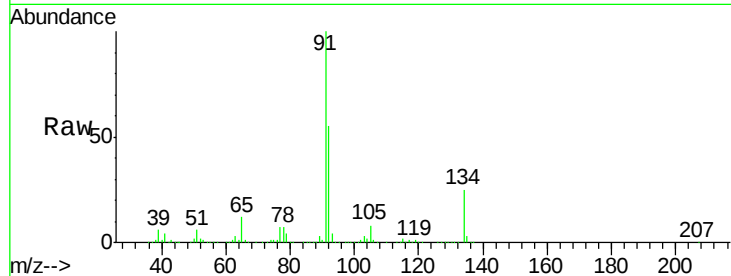
#89
n-Butylbenzene
Concen: 100.171 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. 0.00 min
Lab File: VW015656.D
Acq: 23 Jun 2020 12:27

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.3	27.5	82.4
134	25.8	13.0	38.9

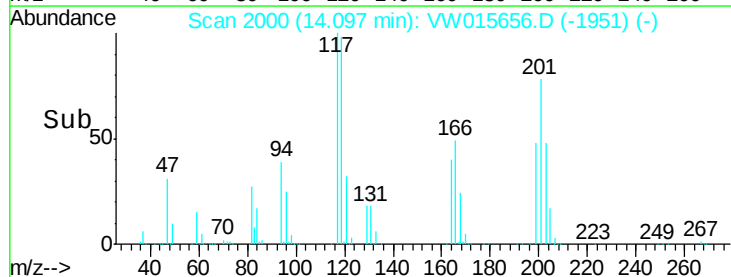
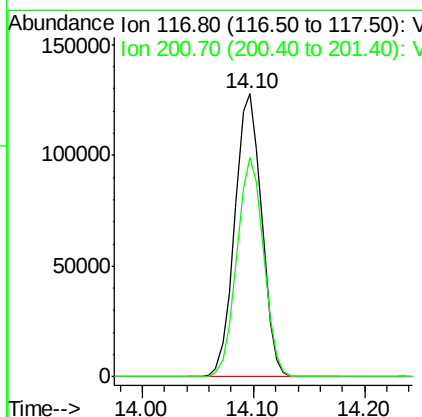
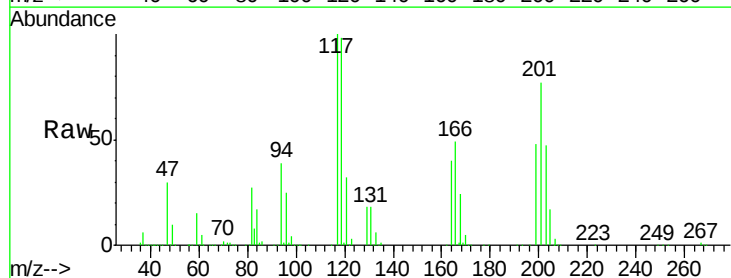
Manual Integrations
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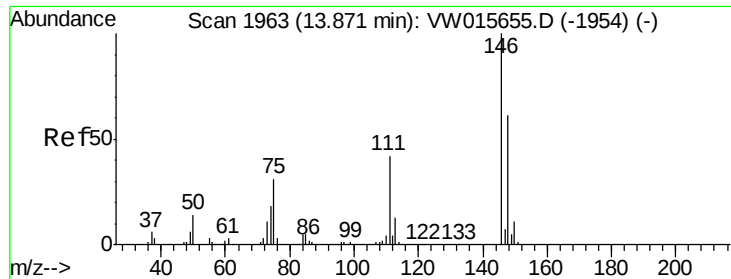
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#90
Hexachloroethane
Concen: 98.156 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW015656.D
Acq: 23 Jun 2020 12:27

Tgt Ion	Ratio	Lower	Upper
117	100		
201	76.9	37.1	111.5





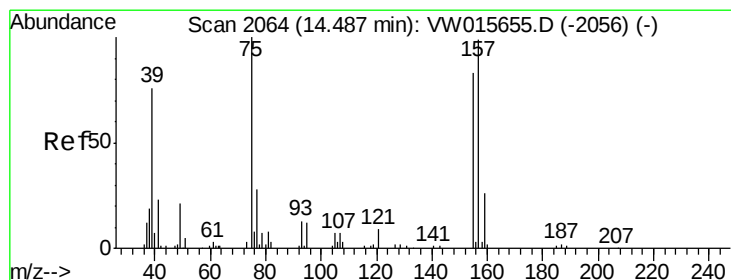
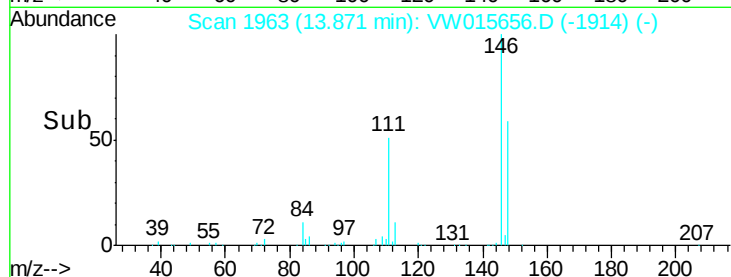
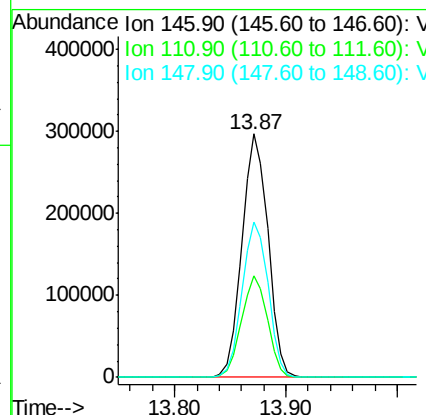
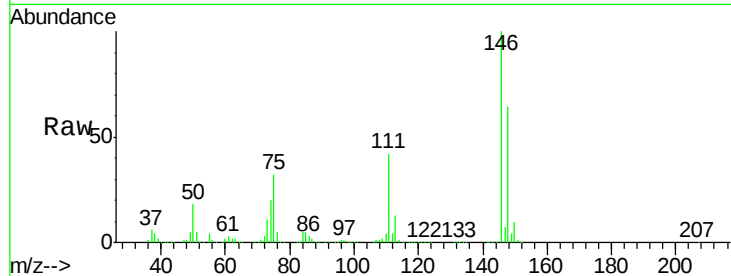
#91
 1,2-Dichlorobenzene
 Concen: 100.827 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW015656.D
 Acq: 23 Jun 2020 12:27

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.5	21.3	63.7
148	64.1	32.2	96.6

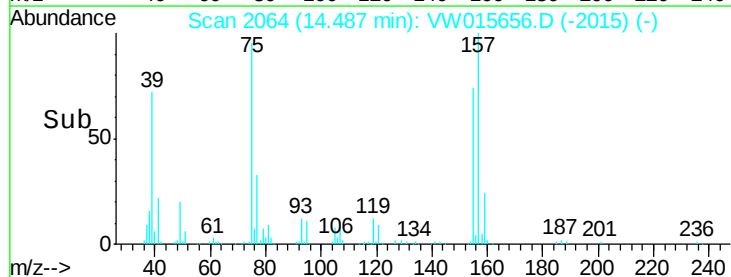
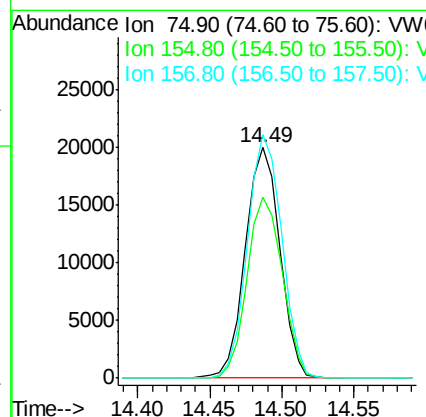
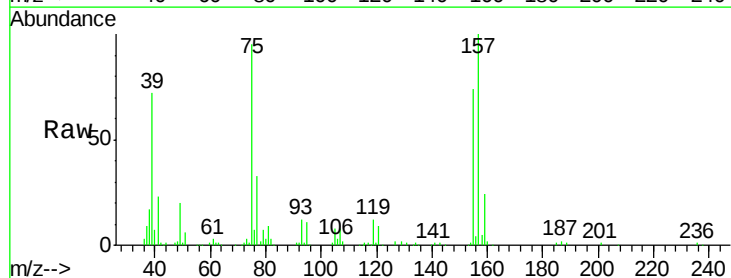
Manual Integrations
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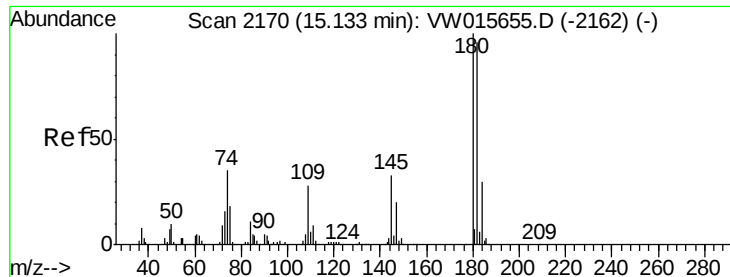
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 100.441 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW015656.D
 Acq: 23 Jun 2020 12:27

Tgt Ion	Ratio	Lower	Upper
75	100		
155	79.9	40.8	122.2
157	104.8	50.7	152.1





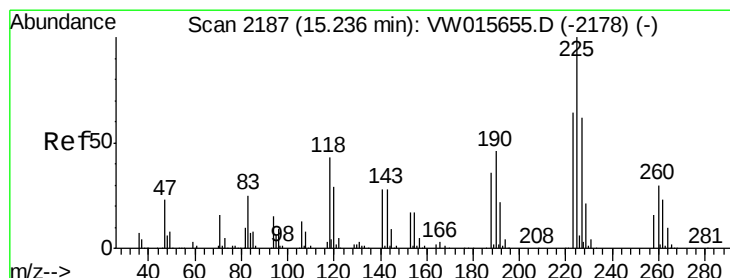
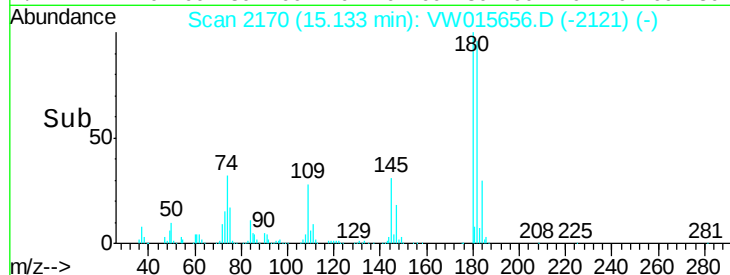
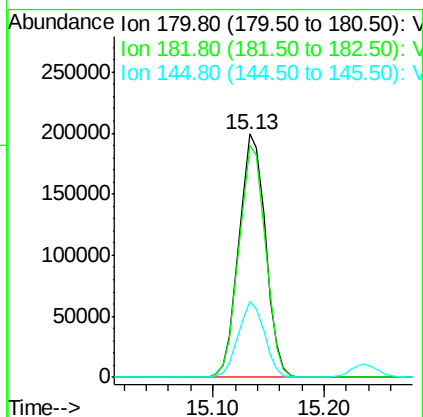
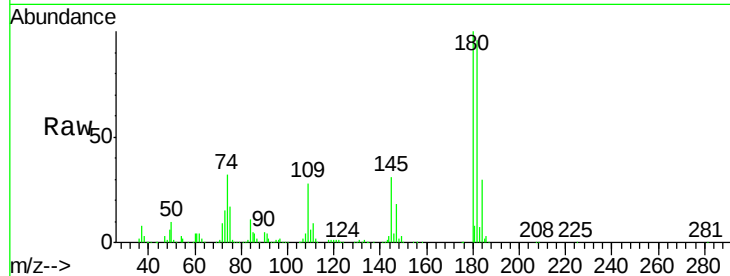
#93
1,2,4-Trichlorobenzene
Concen: 100.908 ug/l
RT: 15.13 min Scan# 2170
Delta R.T. 0.00 min
Lab File: VW015656.D
Acq: 23 Jun 2020 12:27

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.3	47.9	143.6	
145	30.8	15.6	46.7	

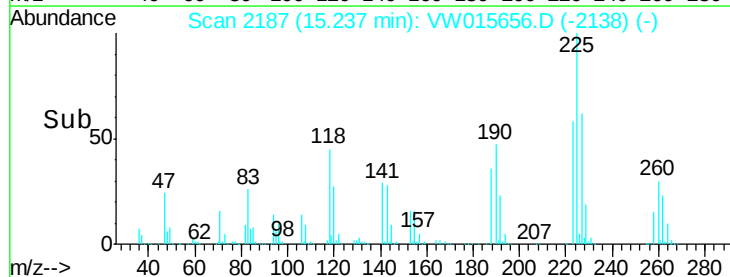
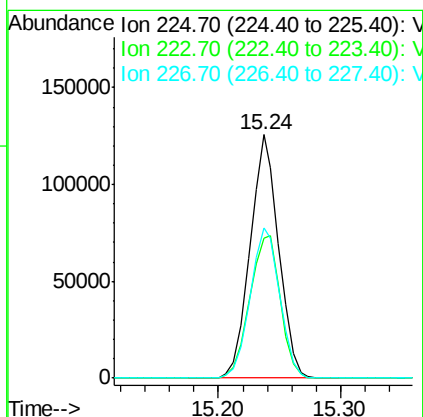
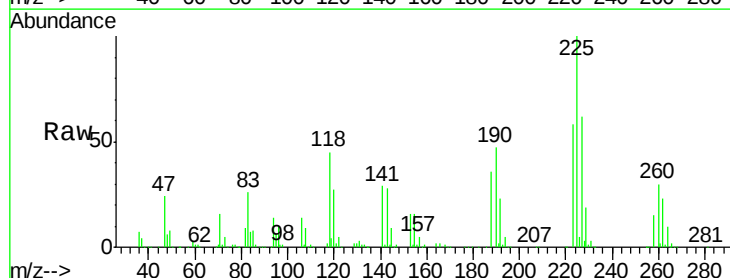
Manual Integrations
APPROVED

MMDadoda
6/24/2020 10:58:16 AM



#94
Hexachlorobutadiene
Concen: 100.685 ug/l
RT: 15.24 min Scan# 2187
Delta R.T. 0.00 min
Lab File: VW015656.D
Acq: 23 Jun 2020 12:27

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.8	31.0	93.0	
227	64.1	31.9	95.9	





#95

Naphthalene

Concen: 105.131 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW015656.D

Acq: 23 Jun 2020 12:27

Instrument :

MSVOA_W

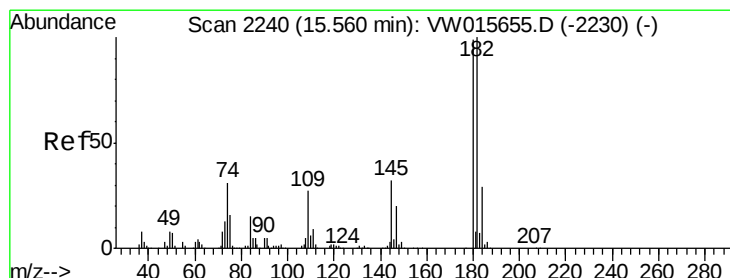
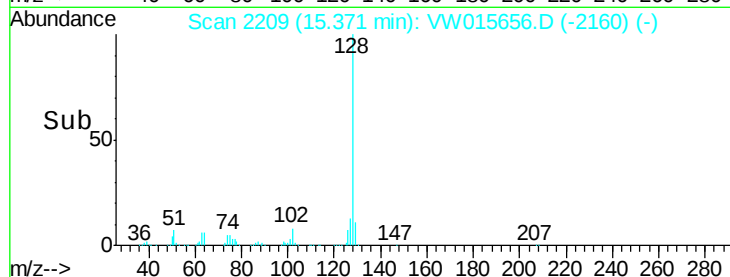
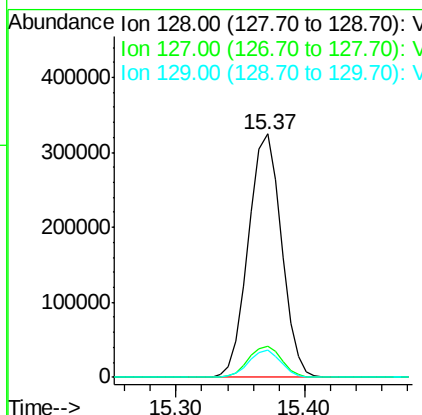
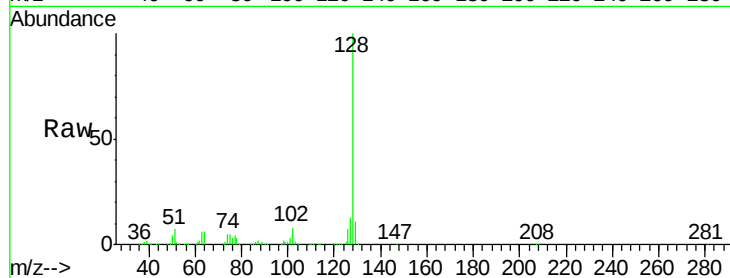
ClientSampleId :

VSTDIC100

Tot Ion:	128	Resp:	573844
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.5	15.7
129	11.0	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
6/24/2020 10:58:16 AM



#96

1,2,3-Trichlorobenzene

Concen: 102.174 ug/l

RT: 15.56 min Scan# 2240

Delta R.T. 0.00 min

Lab File: VW015656.D

Acq: 23 Jun 2020 12:27

Tgt Ion:	180	Resp:	280453
Ion Ratio	Lower	Upper	
180	100		
182	95.2	49.0	147.0
145	33.1	16.4	49.2

